



# ACADEMIC LIVE PROJECTS 2023-24

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S.No	Project Code	Project Name	Objective
1.	TCMAPY927	The Early Detection of Dementia Disease Using Machine Learning Approach (Python / Machine Learning)	Develop a machine learning model to detect dementia early, aiding timely interventions for better prognosis.
2.	TCMAPY928	Accurate Machine Learning Algorithm for Monkey Pox Based on Covid-19 (Python / Machine Learning)	Developing a machine learning model using Covid-19 data to accurately detect Monkeypox. Aim: High accuracy in early Monkeypox diagnosis for timely intervention.
3.	TCMAPY929	Machine Learning based Spam Comments Detection on YouTube (Python / Machine Learning)	Developing a machine learning model for detecting spam comments on YouTube, improving user experience and platform integrity by accurately identifying and classifying spam versus non-spam content.
4.	TCMAPY930	Machine Learning Based Diagnosis of Lumpy Skin Disease (Python / Machine Learning)	Developing a machine learning model to predict Lumpy Skin Disease presence, aiding early diagnosis and treatment decisions for individuals.
5.	TCMAAN422	Stress Detection in IT Professional by Image Processing and Machine Learning (Python / Machine Learning)	Detect and alleviate stress in IT professionals through image processing and machine learning on authenticated user images, ensuring a secure system while enhancing their work environment.
6.	TCMAPY1007	Wine Quality Prediction (Python / Machine Learning)	This study assesses six algorithms for predicting wine quality, aiming to identify the most accurate method for enhancing wine quality assessment and decision-making processes.
7.	TCMAPY1008	Scientific Paper Recommendation System (Python / Machine Learning)	Developing a scalable, end-to-end content-based recommendation system for scientific papers, aiding researchers in discovering relevant studies amidst information overload.

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8.	TCMAPY1013	Web Based Book Recommendation System using Collaborative Filtering (Python / Machine Learning)	Developing a web-based book recommendation system employing collaborative filtering techniques to enhance user engagement and boost book sales in online bookstores.
9.	TCMAPY1018	Exploring the Learning Analytics of Skill-Based Course using Machine Learning Classification Models (Python / Machine Learning)	This study uses ML models to analyze the link between student experiences and impressions in skill-based courses, advocating Additive Regression for better correlation prediction and suggesting expanding to a larger dataset for improved model validation.
10.	TCMAPY1019	Predicting Indian GDP with Machine Learning: A Comparison of Regression Models (Python / Machine Learning)	This study compares polynomial regression models to predict Indian GDP, emphasizing data quality and advanced techniques for improved accuracy.
11.	TCMAPY1029	Safe Trade – A Stock Recommender using Machine Learning Algorithms (Python / Machine Learning)	Safe Trade utilizes TensorFlow's Keras API to predict stock prices, employing LSTM, ANN, and CNN for accurate forecasting.
12.	TCMAPY1030	Mitigating Cold Start Problem in Recommendation Systems via Transfer Learning Approach. (Python / Machine Learning)	This research aims to tackle the Cold Start issue in recommender systems crucial for domains like E-commerce and music streaming platforms, where understanding new user preferences due to limited
13.	TCMAPY1031	Theoretical Evaluation of Machine Learning Approaches for Hotel Recommendation (Python / Machine Learning)	This study assesses SVM and Random Forest for enhancing online hotel recommendations, aiming to create a model overcoming challenges in hotel rating and data balancing to ensure

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			tailored suggestions and customer satisfaction.
14.	TMAPY1032	Mosquito Species Classification through WingbeatAnalysis: A Hybrid Machine Learning Approach (Python / Machine Learning)	This study aims to classify mosquito species using wingbeat sound features via a hybrid CNN-SVM model, aiming to mitigate mosquito-borne diseases.
15.	TMAPY1033	A Comparative Analysis of Machine Learning Models for ColonCancer Classification (Python / Machine Learning)	This study compares the efficacy of Random Forest, Decision Tree, Support Vector Machine, Naïve Bayes, and K-Nearest Neighbor models for colon cancer classification across various age groups.
16.	TMAPY1045	Fault Detection in The Rotatory Machine Using MachineLearning (Python / Machine Learning)	This project implements machine learning algorithms like Decision Trees, Logistic Regression, and MLP Classifier to detect faults in rotary machines, enhancing early fault identification and minimizing downtime.
17.	TMAPY1046	Flight Price Prediction using Machine Learning (Python / Machine Learning)	This study evaluates Decision Trees, Random Forest, and Logistic Regression for accurate flight price prediction, aiming to enhance airline pricing strategies and empower travelers with informed decisions, thereby improving pricing efficiency in the industry.
18.	TMAPY1052	AI Based Identification of Inappropriate Language (Python / Machine Learning)	Developing and assessing the efficacy of Decision Trees, Random Forest, LSTM, and BERT in detecting offensive language in online text using AI.

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19.	TCMAPY1053	Root Cause Localization in Microservices with Explain Ability (Python / Machine Learning)	Developing an approach for root cause localization in microservices, integrating explainability to swiftly pinpoint disruptions and enhance system reliability. Real-world validation aims to improve debugging efficiency and overall robustness.
20.	TCMAPY1054	Video Summarization (Python / Machine Learning)	Video Summarization automates the analysis of lengthy videos, condensing them into concise summaries, saving time and enhancing user engagement by highlighting key information.
21.	TCMAPY1056	Prediction of 5 Categories of Hepatitis Disease using Machine Learning (Python / Machine Learning)	Develop a precise machine learning model to classify Hepatitis into five categories, facilitating early detection and targeted medical interventions for improved patient care.
22.	TCMAPY1057	Solar Radiation Prediction by using ML (Python / Machine Learning)	Develop and assess machine learning models to predict solar radiation levels, facilitating efficient solar energy utilization and renewable energy grid integration.
23.	TCMAPY1058	A Machine Learning Framework for Intrusion Detection in IOT Environments (Python / Machine Learning)	Developing a Machine Learning Framework for Intrusion Detection in IoT Environments to enhance security by effectively identifying and responding to intrusion attempts, ensuring integrity and data safety.
24.	TCMAPY1059	Resampling Techniques for Enhanced Network Slice Classification in 5G Networks A SMOTE-Tomek Perspective (Python /Machine Learning)	This project aims to enhance network slice classification in 5G networks using the SMOTE-Tomek method and evaluate Random Forest, CatBoost, Decision Tree, and Extra Trees models to address class imbalance for effective resource management.

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25.	TCMAPY1061	Political Tweets Analysis in The Domain of NaturalLanguage Processing (Python / Machine Learning)	Utilizing NLP techniques, this project analyzes political tweets to discern sentiment, topics, and trends, providing insights into public opinion and political discourse.
26.	TCMAPY1064	Facial Recognition-Based Product Recommendation System Using Past Purchases (Python / Machine Learning)	Developing a Facial Recognition-Based Product Recommendation System using KNN to analyze users' emotional responses and historical purchase data, enhancing e-commerce recommendations' relevance and user satisfaction.
27.	TCMAPY1062	Stress Detection for IT Professionals Using MachineLearning (Python / Machine Learning)	Develop a machine learning model to predict stress levels in IT professionals using physiological and work-related data, aiding proactive stress management.
28.	TCMAPY1065	Machine Learning in Planetary Defense Early WarningSystems for Hazardous Asteroids (Python / Machine Learning)	Developing predictive models using various Machine Learning algorithms to categorize asteroids and assess associated risks, enhancing planetary defense early warning systems against hazardous asteroids.
29.	TCMAPY1068	Parkinson Disease Detection Using OptimizationAlgorithm (Python / Machine Learning)	This project aims to detect Parkinson's disease using advanced machine learning techniques such as MLP and SVM, augmented with optimization algorithms for hyperparameter tuning and model refinement.
30.	TCMAPY1069	Rumor Source Identification from Social Network (Python / Machine Learning)	Develop novel data analysis approaches to pinpoint the originators of rumors on social networks, validated with real-world data. Enhance digital communication trustworthiness by identifying and mitigating false information sources, fostering responsible online citizenship.

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31.	TCMAPY1071	E - Governance chatbot (Python / Machine Learning)	The project aims to develop "MegaBot," an interactive chatbot, serving as a centralized information hub for government loans and insurance schemes. It aims to empower users with comprehensive details from sources like NABARD and RBI, promoting financial inclusion and efficiency in accessing critical resources.
32.	TCMAPY1074	AI Skill Recommendation (Python / Machine Learning)	The AI Skill Recommendation project aims to empower users with personalized skill development strategies to enhance employability and career prospects. Leveraging AI, it offers tailored recommendations for aligning skill sets with job requirements, fostering proactive professional growth and contributing to job market efficiency.
33.	TCMAPY1075	Medical Insurance Premium Prediction with Machine Learning (Python / Machine Learning)	The objective of the medical insurance is to create a robust machine learning regression model that can effectively estimate healthcare expenses, enabling insurance companies to optimize pricing, risk assessment, and resource allocation, while aiding individuals in selecting appropriate insurance coverage.
34.	TCMAPY1076	Machine Learning for Kyphosis Disease Classification (Python / Machine Learning)	The project aims to evaluate machine learning algorithms for accurately classifying kyphosis and predicting surgical intervention, providing insights for medical practitioners on leveraging technology for precise diagnosis and treatment decision support

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35.	TCMAPY1077	Identifying Risk Factors and Predicting Food Security Status Using Supervised Machine Learning Techniques (Python / Machine Learning)	The project aims to create predictive models using supervised machine learning algorithms like Decision Trees, Random Forest, MLP, and XGBoost, to determine food security status.
36.	TCMAPY1079	Language Detection Using Natural Language Processing (Python / Machine Learning)	The project aims to develop a versatile Language Detection system using NLP and machine learning, capable of accurately identifying multiple languages from diverse textual and audio data. It targets practical applications such as transcription services, content filtering, and multilingual content analysis, with a focus on enhancing accuracy, efficiency, and adaptability to meet modern language-related demands.
37.	TCMAPY1080	Scalable Software Architecture for Dynamic ThreatDetection and Mitigation In IOT (Python / Machine Learning)	The project aims to develop a robust Machine Learning Framework for Intrusion Detection in IoT Environments, enhancing security by effectively identifying and responding to intrusion attempts. Through rigorous experimentation and evaluation, it seeks to demonstrate the framework's efficacy in mitigating threats and providing a scalable solution for safeguarding IoT ecosystems against evolving security challenges.
38.	TCMAPY1084	Generative Energy Data for Machine Learning with Recurrent Generative Adversarial Networks (Python/Machine Learning)	The project aims to improve energy consumption and generation forecasts for green energy resources from 2008 to 2019, comparing performance against traditional methods like ARMA, SARIMA, LSTM, and GRU. By enhancing prediction accuracy, it seeks to support sustainable energy management, grid optimization, and environmentally conscious decision-



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			making, ultimately contributing to a greener and more sustainable future.
39.	TCMAPY1087	Product Demand Forecasting (Python / Machine Learning)	The project rigorously evaluates ARIMA, SARIMA, and LSTM models for predicting product demand, using diverse datasets and considering multiple influencing factors. Its aim is to offer actionable insights for practitioners and decision-makers, aiding in the selection of the most suitable and accurate model to optimize resource allocation strategies and facilitate informed decision-making processes.
40.	TCMAPY1092	Two Factor Worm Detection Based on Signature & Anomaly (Python/Machine Learning)	The project evaluates Decision Trees, Random Forest, and Gaussian NB algorithms for enhancing detection accuracy and efficiency of packet-based attacks. It aims to assess their strengths and weaknesses in detecting various attack types, informing the development of a hybrid detection system.
41.	TCMAPY1095	Designing an Intelligence Quotient (IQ)-Based Student Assessment Model Utilizing Machine Learning (Python / Machine Learning)	The project aims to develop a machine learning-based student assessment model to accurately measure IQ while prioritizing personalization for cognitive improvement. It will evaluate long-term predictive validity, establish ethical and privacy guidelines, mitigate bias, ensure transparency, and provide real-time monitoring and feedback to enhance the learning process.
42.	TCMAPY1101	Cyber Threat Detection Based on Artificial Neural Networks using Event Profiles (Python/Machine Learning)	The project aims to bolster cybersecurity by developing and implementing an advanced threat detection system using Artificial Neural Networks and Event Profiles. It seeks to create a robust solution for

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			accurately identifying and mitigating cyber threats, improving overall security posture and safeguarding digital assets.
43.	TCMAPY1109	Prediction of Loan Eligibility Approval using Machine Learning (Python / Machine Learning)	The research evaluates Decision Trees, Random Forest, Logistic Regression, SVM, KNN, and Naïve Bayes for predicting loan eligibility. Its primary goal is to identify the most suitable algorithm or combination for accurate and efficient loan approval predictions.
44.	TCMAPY1110	Predicting the Fraud in Auto Insurance Claims (Python / Machine Learning)	The project evaluates Decision Tree, Logistic Regression, XGBoost, and Multi-Layer Perceptron (MLP) algorithms for predicting fraudulent auto insurance claims. Through comparative analysis using metrics like accuracy, precision, recall, and F1-score, it aims to offer insights into their effectiveness.
45.	TCMAPY1112	A Multi perspective Fraud Detection Method for Multi- Participant E-commerce Transactions (Python / Machine Learning)	The primary objective of this project is to develop an advanced fraud detection framework specifically tailored for multiparticipant e-commerce transactions, with a focus on integrating user behavior analysis, anomaly detection techniques, and ensemble classification to enhance the accuracy and efficiency of fraud detection, ultimately fostering a secure and trustworthy online transaction environment.
46.	TCMAPY1126	Time Series Forecasting and Modelling of Food Demand Supply Chain Based on Regressors Analysis	The project's core aim is to build a precise demand forecasting model for the food industry, leveraging machine learning and deep learning methods to minimize error

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		(Python / Machine Learning)	metrics like RMSLE, RMSE, MAPE, and MAE, ensuring accurate prediction of order volumes.
47.	TCMAPY1111	An Efficient Spam Detection for IOT Devices using ML (Python / Machine Learning)	The project endeavors to create a resilient spam detection system for IoT devices utilizing various machine learning algorithms, bolstering network security and fostering user trust by ensuring the integrity of IoT applications.
48.	TCMAPY1138	A Machine Learning Based Cyber Attack Detection Model for Wireless Sensor Networks in Microgrids (Python / Machine Learning)	This project aims to create a machine learning model to detect cyber-attacks in microgrid-connected Wireless Sensor Networks. By leveraging algorithms like CNN, Passive Aggressive, Random Forest, and XGBoost Classifiers, it seeks to enhance microgrid security and resilience against threats like gray hole, blackhole, and flooding attacks.
49.	TCMAPY1137	Information Summarization System Based on Custom Query (Python / Machine Learning)	The research aims to develop an Information Summarization System using a Transformer model to generate concise summaries from Word documents. It prioritizes enhancing document navigation for users to quickly grasp main concepts and allows custom queries for tailored summaries. Ultimately, it seeks to create an innovative and user-centric approach to information extraction.

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50.	TCMAPY1136	Offline LLM: Generating Human Like Responses Without Internet (Python / Machine Learning)	The objective is to develop and implement a Large Language Model (LLM)-powered tool for generating human-like responses to natural language inputs, tailored for offline network environments. This self-contained system aims to provide users with contextually relevant and coherent responses to queries, enhancing communication and problem-solving capabilities in disconnected or restricted network scenarios.
51.	TCMAPY1135	Advanced Techniques for Efficient Text Summarization (Python / Machine Learning)	Extracting data from publication reports is a standard process in systematic review development. However, the data extraction process still relies too much on manual effort which is slow, costly, and subject to human error. In this study, we developed a text summarization system aimed at enhancing productivity and reducing errors in the traditional data extraction process.
52.	TCMAPY1145	Basic IoT Network and Intrusion Detection (Python / Machine Learning)	To establish a comprehensive framework for IoT networks, delineating the architecture, components, communication models, and interactions among IoT devices. This framework aims to address the challenges of scalability, interoperability, and efficient data exchange inherent in IoT environments
53.	TCMAPY1150	Domain name server (DNS) filtering service using Threat intelligence feeds and AIML Techniques (Python / Machine Learning)	This study aims to develop a robust network security system using a two-factor approach, combining signature-based and anomaly-based detection systems. Leveraging machine learning algorithms, the objective is to enhance the accuracy

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			and efficiency of detecting packet-based cyber-attacks.
54.	TMAPY1151	LiDA Language-Independent Data Augmentation for Text Classification (Python / Machine Learning)	Our objective is to validate LiDA's effectiveness in language-independent text classification through experiments across diverse languages. We aim to conduct comparative analyses with traditional methods to showcase LiDA's superior performance in handling linguistic variations and achieving robust classification accuracy across multilingual datasets.
55.	TMAPY1153	Ethical hacking importance of information technology (Python / Machine Learning)	The research aims to understand individuals' readiness to pursue ethical hacking certification by analyzing demographic and attitudinal factors such as age, gender, education level, employment status, IT experience, and familiarity with ethical hacking. It seeks to uncover motivations and barriers, predict readiness using machine learning classifiers.
56.	TMAPY1154	Machine Learning Model to Detect Ddos Attack in Multi Uav Networks (Python / Machine Learning)	Develop a machine learning ensemble model to accurately detect Distributed Denial of Service (DDoS) attacks in multi-UAV networks, mitigating misdiagnosis of covert channels and accommodating heterogeneous data, thereby enhancing network security resilience.

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57.	TCMAPY1159	AI Enabled water prediction (Python / Machine Learning)	The objective of the AIEnabled Water Well Predictor project is to develop a predictive model using artificial intelligence techniques that can accurately forecast the performance and behavior of water wells.
58.	TCMAPY1164	Forest Fire Prevention Using Machine Learning (Python / Machine Learning)	The objective is to develop a robust forest fire prevention system utilizing Decision Tree algorithms to enhance predictive capabilities, aiding in early detection and proactive measures to mitigate fire risks.
59.	TCMAPY1165	Sentiment analysis of incoming calls on helpdesk (Python / Machine Learning)	The project aims to conduct sentiment analysis on incoming calls to a helpdesk, utilizing natural language processing (NLP) techniques to categorize emotions into positive, negative, or neutral sentiments. By analyzing call sentiment, it seeks to identify patterns and trends in customer satisfaction and dissatisfaction, enhancing understanding of caller emotions.
60.	TCMAPY1166	Privilege Escalation Attack Detection and Mitigation in machine learning (Python / Machine Learning)	The project aims to create a robust framework for detecting and mitigating privilege escalation attacks in machine learning systems. This involves developing algorithms to identify anomalous behavior indicating such attacks and implementing countermeasures to prevent unauthorized access and manipulation of privileged functionalities within ML models.
61.	TCMAPY1169	Short Term Arrival Delay Time Prediction in Freight Rail Operations Using Data Driven Models (Python / Machine Learning)	The objective of the "Short-Term Arrival Delay Time Prediction in Freight Rail Operations Using Data-Driven Models" project is to develop predictive models that can accurately forecast the arrival delay times for freight trains in the short term. By

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			leveraging data-driven approaches, the project aims to analyze historical data from rail operations to identify patterns and factors contributing to delays.
62.	TCMAPY1170	Ensemble Hybrid Learning Methods for Automated Depression Detection (Python / Machine Learning)	The project aims to enhance automated depression detection through Ensemble Hybrid Learning Methods. By combining ensemble learning techniques and hybrid models, including deep learning, it seeks to improve accuracy and robustness in depression detection systems. Utilizing diverse data sources like sentiment text data, the project aims to develop a comprehensive framework capable of capturing nuanced patterns indicative of depression symptoms.
63.	TCMAPY1171	Evaluating Fairness of Machine Learning Models Under Uncertain and Incomplete Information (Python / Machine Learning)	The project strives to evaluate and ensure fairness in machine learning models facing uncertain or incomplete data, aiming to mitigate biases and enhance equity in algorithmic decision-making.
64.	TCMAPY1172	Machine Learning Based Recommender System for Improving Student's Learning Experience (Python / Machine Learning)	The objective of the "Machine Learning-Based Recommender System for Improving Student's Learning Experience" project is to develop a personalized recommendation system tailored to enhance the learning journey of students. By leveraging machine learning algorithms, the project aims to analyze student data, including learning preferences, past performance, and behavior patterns.

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65.	TCMAPY702	Rasa Tourism Chatbot (Python / Machine Learning)	The main objective of the project is to provide a chatbot for tourism related queries using RASA module.
66.	TCMAPY705	Online Food Ordering and Recommendation System (Python / Machine Learning)	The objective is to create an Online Food Ordering and Recommendation System delivering personalized experiences through user-friendly ordering, tailored recommendations, and seamless transactions to boost customer satisfaction and loyalty.
67.	TCMAPY706	Online Job Mapper (Python / Machine Learning)	The main objective of the project is to do an web application for providing details to a job seeker.
68.	TCMAPY546	Rasa Chatbot for Restaurant (Python / Machine Learning)	A chatbot application for restaurant to take orders and answer different queries of customers.
69.	TCMAPY552	Product Review System (Python / Machine Learning)	The aim of the project is to make a web application using angular-js for reviewing products
70.	TCMAPY401	Educational Chatbots (Python / Machine Learning)	In this project, we are implementing an application for educational chat bot for the purpose of communicating to students and machine.



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71.	TCMAPY396	Healthcare Chatbot (Python / Machine Learning)	This system is aimed to provide medical diagnosis, suggestions and remedies based on the symptoms of a patient. The communication for the patient will be done using an automated medical chatbot.
72.	TCMAPY934	Machine Learning Model For Prediction Of Smartphone Addiction (Python / Machine Learning)	The main objective is to develop a robust machine learning model for predicting smartphone addiction, accurately identifying patterns indicative of addiction for early detection and intervention.
73.	TCMAPY935	Analyzing Social Media Data Through Data Mining (Python / Machine Learning)	The main objective is to analyze social media data through data mining to extract valuable insights and patterns. This enables businesses to understand customer sentiment, behavior, and preferences, making informed decisions and improving strategies and offerings. By marketing, customer engagement, and decision-making processes.
74.	TCPGPY389	Machine Learning Algorithm For Brain Stroke Detection (Python / Machine Learning)	The purpose of this paper is to develop an automated early ischemic brain stroke detection system using CNN deep learning algorithm.
75.	TCMAPY878	Prioritizing Hospital Admission According to Emergency using Machine Learning (Python / Machine Learning)	The objective of prioritizing hospital admission according to emergency using machine learning is to optimize patient care and resource allocation by identifying which patients require urgent medical attention and should be admitted to the hospital first.

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76.	TCMAPY936	For Comparison Of Predictive Models For Sentiment Analysis Using Twitter Tweets (Python / Machine Learning)	The main objective of the comparison of predictive models for sentiment analysis using Twitter tweets is to evaluate and compare the performance of different machine learning algorithms in accurately predicting sentiment from Twitter data, aiming to identify the most effective model for sentiment analysis tasks.
77.	TCMAPY903	Analysis And Prediction Of Crime Hotspots Using Machine Learning With Stacked Generalization Approach (Python / Machine Learning)	The objective of Analysis and Prediction of Crime Hotspots Using Machine Learning with Stacked Generalization Approach is to develop a machine learning model that can accurately identify crime hotspots and predict crime occurrences in a given geographic area.
78.	TCMAPY937	Crime Type and Occurrence Prediction in Machine Learning Algorithm (Python / Machine Learning)	The main objective is to develop a machine learning model for predicting crime type and occurrence, using historical crime data to enable proactive measures for crime prevention and law enforcement.
79.	TCMAPY938	A Novel Convolutional Neural Network-Based Approach For Fault Classification In Photovoltaic Arrays (Python / Machine Learning)	The main objective of the study is to develop a novel Convolutional Neural Network (CNN)-based approach specifically designed for fault classification in photovoltaic arrays.
80.	TCMAPY783	A Bayes Risk Minimization Machine for Example-Dependent Cost Classification (Python / Machine Learning)	The main objective is to develop a Bayes Risk Minimization Machine for Example-Dependent Cost Classification, aiming to minimize expected loss by considering varying costs of errors on a per-example basis.

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81.	TCMAPY865	An Approach to Discover Similar Musical Patterns (Python / Machine Learning)	The objective of this project is to likely to find a method to identify and analyze similar patterns in music, potentially with the goal of organizing and categorizing musical pieces based on their similarities.
82.	TCMAPY939	Bike-Sharing Demand Prediction Model (Python / Machine Learning)	The main objective of a Bike-Sharing Demand Prediction Model is to accurately forecast the number of bikes that will be rented at a given time, considering various factors such as weather conditions, time of day, and historical data.
83.	TCMAPY940	Robust Network Intrusion Detection System (Python / Machine Learning)	The primary aim is to create a Robust Network Intrusion Detection System, proactively identifying and thwarting unauthorized activities in real-time, bolstering network security and mitigating cyber threats. Through continuous traffic monitoring and anomaly detection, it aims to fortify network integrity, prevent data breaches, and minimize cyberattack impacts.
84.	TCMAPY821	Diagnosis Of Polycystic Ovary Syndrome Using Machine Learning Algorithms (Python / Machine Learning)	The main aim of the project is to detect PCOS disease using deep learning techniques.
85.	TCMAPY900	Identification Of Multilingual Offense And Troll From Social Media Memes Using Weighted Ensemble Of Multimodal Features (Python / Machine Learning)	The objective of Identification of Multilingual Offense and Troll From Social Media Memes Using Weighted Ensemble Of Multimodal Features is to develop a machine learning model that can accurately detect offensive and trolling content from social media memes, which may contain

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			text, images, and other multimodal features.
86.	TCMAPY658	Cyber Hacking Breaches Prediction Using Machine Learning (Python / Machine Learning)	The main objective of the project is to predict the probability of hack in networks using machine learning techniques.
87.	TCMAPY648	Machine Learning Methods for Real Time Blood Pressure Measurement Based On Photoplethysmography (Python / Machine Learning)	The primary goal of this project is to determine whether to know the PPG level of patient. To know this, we used the machine learning based methods such as Random Forest Regressor, Decision Tree Regressor, Bagging Regressor, XGBoost, Gradient Boosting Regressor CatBoost Regressor K Neighbors Regressor, SVR and Extra Tree Regressor classification techniques to figure out.
88.	TCMAPY608	Employee Classification for Personalized Professional Training Using Machine Learning Techniques and Smote (Python / Machine Learning)	The primary goal of this project is to determine whether an Employee is promoted or not promoted. To know this, we used the machine learning based methods such as Decision Tree, Random Forest and Support Vector Machine classification techniques to figure out.
89.	TCMAPY941	Soil Prediction and Fertility Suggestion, Crop Prediction Plant Disease Detection (Python / Machine Learning)	The main objective is to accurately predict soil characteristics and nutrient levels, providing farmers with tailored recommendations to optimize crop productivity in Soil Prediction and Fertility Suggestion.

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90.	TCMAPY649	Machine Learning Based Suicide Ideation Prediction For Military Personnel (Python / Machine Learning)	The main goal of this project is predicting the suicide attempts by analyzing the data. The dataset from kaggle and performing Machine Learning models like Logistic Regression, Random Forest, Naive Bayes models are used for better accuracy
91.	TCMAPY716	A Spam Transformer Model For Sms Spam Detection (Python / Machine Learning)	The main objective is to develop a transformer-based model for accurately identifying and classifying SMS messages as spam or non-spam in the A Spam Transformer Model For SMS Spam Detection project. The aim is to enhance spam detection systems' effectiveness and improve the overall user experience by reducing unwanted and potentially harmful messages.
92.	TCMAPY624	Performance Analysis Of Intrusion Detection Systems Using A Feature Selection Method On The Unsw-Nb15 Dataset (Python / Machine Learning)	The main objective of the project is to detect the intrusion using UNSW-NB15 dataset and machine learning techniques
93.	TCMAPY646	Credit Card Score Prediction Using Machine Learning (Python / Machine Learning)	The primary goal of this project is to determine whether the Credit Card Score is Loan status is non default or Loan status is default know this we used Artificial Neural Network (ANN), Decision tree, Random Forest classification techniques
94.	TCMAPY942	Vulnerability Analysis On Third Party Applications (Python / Machine Learning)	The main objective is to identify and assess potential security weaknesses and vulnerabilities in externally developed software or applications integrated into an organization's systems in Vulnerability Analysis on Third-Party Applications.

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95.	TCMAPY943	Fetal Health Prediction using Machine Learning (Python / Machine Learning)	The main objective of Fetal Health ML is to develop a machine learning model that accurately predicts the health status of a fetus based on various medical parameters. The goal is to aid healthcare professionals in making timely and informed decisions for better prenatal care and improved outcomes for both the mother and the unborn child.
96.	TCMAPY542	Prediction Of Water Quality Using Machine Learning Algorithm (Python / Machine Learning)	The primary goal of this project is to determine whether to check the water quality using Random Forest, Gradient Boosting, GaussianNB, XGBoost classification techniques.
97.	TCMAPY412	Early Prediction Of Low Birth Weight Cases Using ML Approach (Python / Machine Learning)	The main objective of this application is to investigate a specific problem of whether it is valuable or not to use machine learning techniques to predict whether the baby belongs to Low Birth Weight or not belongs to Low Birth Weight.
98.	TCMAPY390	Deep Analysis Of Autism Spectrum Disorder Detection Techniques. (Python / Machine Learning)	The aim of this project is to find out the most significant traits and automate the diagnosis process using available machine learning classification techniques for improved diagnosis purpose. At final, we compare accuracy of various machine learning algorithms for early autism detection.

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99.	TCMAPY647	Cyber Threat Predictive Analytics for Improving Cyber Supply Chain Security (Python / Machine Learning)	The main objective of this project is to provide recommended relevant controls to tackle cyber threats.
100.	TCMAPY944	Investigation Of Applying Machine Learning for Watchlist Filtering in Anti Money Laundering (Python / Machine Learning)	The main objective is to explore the application of machine learning techniques to enhance watchlist filtering in anti-money laundering (AML) systems. This involves evaluating machine learning algorithms' effectiveness in improving the accuracy and efficiency of detecting potential money laundering activities by filtering large volumes of data against watchlists of suspicious individuals or entities.
101.	TCMAPY613	A Performance Comparison of Machine Learning Algorithms for Load Forecasting In Smart Grid (Python / Machine Learning)	The main objective of this implementation is to analyze the different machine learning algorithms that are used to forecast the load of electricity
102.	TCMAPY510	Improvement In Automated Diagnosis of Soft Tissues Tumors Using MI (Python / Machine Learning)	The primary goal of this project is to determine the type of treatment required for a patient attacked with soft tissue tumors. We used classification techniques to figure this out.
103.	TCMAPY499	Efficient Prediction of Cardiovascular Disease Using Machine Learning Algorithms with Relief And Lasso Feature Selection Techniques (Python / Machine Learning)	The main objective of this project is detect whether a patient have any chance to get a heart stroke or not using machine learning classification techniques.

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104.	TCMAPY786	Machine Learning Model for Computational Tracking and Forecasting the Covid-19 Dynamic Propagation (Python / Machine Learning)	The main objective of the project is to forecast the COVID-19 data prediction.
105.	TCMAPY579	A Decision Tree Based Recommendation System for Tourists (Python / Machine Learning)	The main goal of this research is to figure out which Travel Recommendation Systems are which best place in town. To know that, we applied classification techniques of Random Forest, XGBoost, and Gradient Boosting
106.	TCMAPY614	Anomaly Detection In Self-Organizing Networks Conventional Versus Contemporary Machine Learning (Python / Machine Learning)	This paper presents a comparison of conventional and modern machine learning within the framework of anomaly detection in self-organizing networks
107.	TCMAPY541	Supervised And Unsupervised Machine Learning Based Review on Diabetes Care (Python / Machine Learning)	The Main objective of this project is detect whether a patient have Diabetes or not and to know this, we have used classification techniques of Decision tree, AdaBoost, XGBoost and also clustering techniques of Support Vector Machine, Principal Component Analysis (PCA), K-Mean, Linear Discriminant Analysis(LDA).
108.	TCMAPY543	Deep Iris Feature Extraction (Python / Machine Learning)	The main objective of this project is to classify the state of eyes using ResNet101, DenseNet201, CNN techniques.



S.No	Project Code	Project Name	Objective
109.	TCTMAPY610	Machine Learning-Based Analysis Of Crypto Currency Market Financial Risk Management (Python / Machine Learning)	The main objective of machine learning-based analysis of cryptocurrency market financial risk management is to leverage advanced algorithms and techniques to identify and mitigate potential risks associated with investing or trading in cryptocurrencies. By utilizing machine learning models, the goal is to provide accurate predictions and insights into market trends, volatility, and risk factors to support informed decision-making and optimize financial risk management strategies in the cryptocurrency domain.
110.	TCTMAPY913	Weather Forecasting Using Data Mining (Python / Machine Learning)	The main objective of weather forecasting using data mining is to accurately predict future weather conditions by analyzing historical weather data and identifying patterns, correlations, and trends.
111.	TCTMAPY945	Multiple Disease Detection (Diabetes, Chronic Kidney, Liver Disease, Breast Cancer) (Python / Machine Learning)	The main objective of Multiple Disease Detection is to develop a comprehensive and accurate diagnostic system that can detect and predict the presence of diabetes, chronic kidney disease, liver disease, and breast cancer in patients, enabling early intervention and personalized treatment for improved patient outcomes and survival rates.
112.	TCTMAPY996	Enhancing Milk Quality Prediction with Feature Engineering and Supervised Learning (Python / Machine Learning)	The main objective of enhancing milk quality prediction with feature engineering and supervised learning is to develop a more accurate and reliable model that utilizes advanced techniques to extract relevant features from the data and employ supervised learning making and quality control in the dairy industry.

S.No	Project Code	Project Name	Objective
113.	TCMAPY947	Realizing An Efficient IoMT -Assisted Patient Diet Recommendation System Through Machine Learning Model (Python / Machine Learning)	The main objective of realizing an efficient IoMT-assisted patient diet recommendation system through a machine learning model is to leverage the power of IoMT technology and machine learning algorithms to develop a system that accurately analyzes patient data, including health parameters and dietary preferences, and provides personalized and effective diet recommendations for improved patient health outcomes.
114.	TCMAPY906	Cancer Prediction in Early Stages Using Machine Learning (Python / Machine Learning)	The objective of Cancer Prediction in Early Stages Using Machine Learning is to develop a machine learning model that can accurately predict the likelihood of cancer in patients at an early stage, which can help improve the chances of successful treatment and recovery. The model uses various data analysis and machine learning techniques to identify patterns and predict cancer occurrences.
115.	TCMAPY889	Detect Professional Malicious User With Metric Learning In Recommended Systems (Python / Machine Learning)	The objective of Detect Professional Malicious User with Metric Learning in Recommended Systems is to identify and prevent professional malicious users from manipulating recommended systems. These users may try to manipulate the system for their own benefit, such as promoting their products or services or negatively impacting their competitors.

S.No	Project Code	Project Name	Objective
116.	TCTMAPY899	Sentiment Analysis Of Text Based On Bidirectional Lstm With Multi Head Attention (Python / Machine Learning)	The objective of Sentiment Analysis of Text Based on Bidirectional LSTM With Multi Head Attention is to develop a machine learning model that can accurately analyze the sentiment of text data, such as social media posts, reviews, or customer feedback, using deep learning techniques. The model uses Bidirectional Long Short-Term Memory (LSTM) and Multi-Head Attention mechanisms to capture the context and dependencies of the input text and provide a more accurate sentiment analysis.
117.	TCTPGPY320	Heart Disease Prediction Using ML (Python / Machine Learning)	The main objective of Heart Disease Prediction using Machine Learning is to develop an accurate and reliable model that can analyze various medical factors and predict the likelihood of an individual having heart disease, aiding in early diagnosis and timely intervention to improve patient outcomes and reduce mortality rates.
118.	TCTMAPY870	Rating Prediction Of Google Play Store Apps With Application Of Data Mining Techniques (Python / Machine Learning)	The main objective of this project is to predict the rating of the app based on the app features using machine learning techniques.
119.	TCTMAPY948	SMS Spam Collection Using Machine Learning (Python / Machine Learning)	The main objective of the SMS Spam Collection project is to develop a dataset that accurately classifies SMS messages as either spam or legitimate, facilitating the creation and evaluation of machine learning models for effective spam detection in text messages. By collecting and categorizing a

S.No	Project Code	Project Name	Objective
			large corpus of SMS data, the project aims to enhance spam filtering techniques and contribute to the improvement of communication security for mobile users.
120.	TCMAPY595	Sentiment Analysis from Text Using LSTM (Python / Machine Learning)	The main objective of sentiment analysis from text using LSTM and BERT is to accurately classify the sentiment expressed in textual data, such as positive, negative, or neutral, by leveraging the power of long short-term memory (LSTM) and BERT models to capture contextual information and semantic representations.
121.	TCMAPY468	Detecting Fake Accounts on Social Media- Instagram. (Python / Machine Learning)	The main goal of this project is predicting the account is fake or not by analyzing the data. The dataset from Kaggle and performing Machine Learning models like Support Vector Machine and Neural Networks are used for better accuracy.
122.	TCMAPY949	Sugarcane Crop Yield Forecasting Model Using Supervised Machine Learning. (Python / Machine Learning)	The main objective of the Sugarcane Crop Yield Forecasting Model using supervised machine learning is to accurately predict the future yield of sugarcane crops based on various input variables, such as weather conditions, soil parameters, and historical crop data. This model aims to assist farmers and stakeholders in making informed decisions regarding crop management, resource allocation, and market planning.

S.No	Project Code	Project Name	Objective
123.	TCMAPY732	Spam Ham Classification, Using Naive bayes algorithm, for emails and texts. (Python / Machine Learning)	In this paper, we apply classification methods along with “machine learning algorithms” to identify how many SMS are spam or not. For that reason, we compared different classified methods on dataset collection on which work done by using the Weka tool.
124.	TCMAPY864	Life Expectancy Post Thoracic Surgery Using Machine Learning. (Python / Machine Learning)	The objective of the project is likely to use machine learning techniques to predict life expectancy of individuals who have undergone thoracic surgery. The goal may be to improve patient outcomes by providing more accurate and individualized predictions of post-operative life expectancy, and to help healthcare providers make informed decisions about treatment options.
125.	TCMAPY154	Earthquake Prediction using Machine Learning (Python / Machine Learning)	The primary goal of this project is to determine the major earthquake prediction whether there is going to be a earthquake or not and to know this we have used Random Forest, Naïve Bayes, Logistic Regression, AdaBoost, KNN, Support Vector Machine and Multi-Layer Perceptron Classifier to classify.
126.	TCMAPY625	Stock Price Prediction Forecasting (Python / Machine Learning)	The main Objective of this project is to predict the price of the stock using deep learning architecture

S.No	Project Code	Project Name	Objective
127.	TCMAPY838	A Systematic Review Of Predicting Elections Based (Python / Machine Learning)	This article aims to investigate and summarize how research on predicting elections based on the SM data has evolved since its beginning, to outline the state of both the art and the practice, and to identify research opportunities within this field
128.	TCMAPY945	Breast Cancer Detection Using Machine Learning Algorithm (Python / Machine Learning)	The main objective of Breast Cancer Detection Using Machine Learning Algorithms is to develop a reliable and accurate system that can effectively classify breast cancer cases, aiding in early detection and improving patient outcomes, by leveraging the power of machine learning algorithms.
129.	TCMAPY652	The Application Of Machine Learning Techniques For Predicting Match Results In Team Sport (Python / Machine Learning)	The primary goal of this project is to determine whether the Match Results in Team Sport to predict whether the result is Gold, Silver or Bronze. For this we used Random Forest, SVC, XGBoost and AdaBoost classification techniques.
130.	TCMAPY490	Accurate Feature Elimination Approach In Ensemble Learning On Nsl-Kdd Dataset (Python / Machine Learning)	The aim of this project is to gain insights by studying and comparing different concept learning algorithms against ensemble learning techniques
131.	TCMAPY599	Personality Prediction using MBTI (Machine Learning) (Python / Machine Learning)	The primary goal of this project is to determine the app success whether the app is popular or not and to know this we have used the Support Vector, Decision Tree, Random Forest, XgBoost and catboost classifier classification techniques.

S.No	Project Code	Project Name	Objective
132.	TCMAPY950	Intrusion Detection System Using Pca With Machine Learning Classifiers (Python / Machine Learning)	The main objective of the Intrusion Detection System (IDS) using Principal Component Analysis (PCA) with machine learning classifiers is to develop a robust system that can effectively detect and classify intrusions or malicious activities in computer networks, leveraging the dimensionality reduction capabilities of PCA and the predictive power of machine learning algorithms. This system aims to enhance network security, identify potential threats, and enable prompt responses to ensure the integrity and confidentiality of the network.
133.	TCMAPY735	Covert Channel Detection: Machine Learning Approaches (Python / Machine Learning)	A covert channel is a path through which secret messages can be leaked by violating a system security policy. The paper concludes that our information is still at risk, nothing is said to be secured and more work on the detection of covert channels is required.
134.	TCMAPY816	Classifying Whether It Is Criminal Case Or Civil Case (Python / Machine Learning)	The main aim of the project is to classify whether it is a criminal case or civil case by that a lawyer can segregate the data.
135.	TCMAPY815	Detect Android Malware Using Multiple Linear Regression Models-Based Classifiers (Python / Machine Learning)	The main aim of the project is to detect the genuity in the apps using multiple linear regression techniques in ML.

S.No	Project Code	Project Name	Objective
136.	TCMAPY814	DoS and DDoS Attack Detection using Hybrid Algorithms (Python / Machine Learning)	The main aim of the project is to detect the attacks like DOS and DDOS attacks using hybrid techniques in ML.
137.	TCMAPY813	Instagram Fake and Automated Account Detection (Python / Machine Learning)	The main aim of the project is to detect the fake accounts in Instagram using machine learning techniques.
138.	TCMAPY616	Investigating The Effect Of Traffic Sampling On Machine Learning-Based Network Intrusion Detection Approaches (Python / Machine Learning)	In this work, and using the same attributes, we attempt to predict the intrusion that occurs in the network by depending on the machine learning techniques.
139.	TCMAPY613	A Performance Comparison Of Machine Learning Algorithms For Load Forecasting In Smart Grid (Python / Machine Learning)	The main objective of this implementation is to analyze the different machine learning algorithms that are used to forecast the load of electricity
140.	TCMAPY612	Prediction Of Diabetes Empowered With Fused Machine Learning (Python / Machine Learning)	This presents a model using a fused machine learning approach for diabetes prediction. The conceptual framework consists of two types of models: Support Vector Machine (SVM) and Artificial Neural Network (ANN) models.
141.	TCMAPY617	Precision Clinical Medicine Using Machine Learning Using High And Low Quantile Ranges Of Vital Signs For Icu Patient Risk Stratification (Python / Machine Learning)	In this work, and using the same attributes, we attempt to predict the power related values like leakage etc., using several machine learning algorithms to assess design alternatives and their energy and area tradeoffs.



S.No	Project Code	Project Name	Objective
142.	TCMAPY611	Diagnosis Of Transformer Faults Using The Multi-Class Adaboost Algorithm (Python / Machine Learning)	This study proposes a transformer fault diagnosis method based on Multi-class AdaBoost Algorithm.
143.	TCMAPY951	Feature Evaluation Of Students E-Learning (Python / Machine Learning)	The main objective of the Feature Evaluation of Students E-Learning is to identify and assess the key factors or features that significantly impact the effectiveness and outcomes of online learning for students.
144.	TCMAPY910	Improving Vehicle Classification and Detection with DeepNeural Networks (Python-Deep learning)	It will Enhance accuracy, efficiency, and reliability of vehicle detection systems for diverse applications like traffic management and autonomous driving through deep neural networks.
145.	TCMAPY911	A Detection and Classification of Cotton Leaf Disease Usinga Lightweight CNN Architecture (Python-Deep learning)	Develop a lightweight CNN to accurately detect and classify cotton leaf diseases, aiding farmers in timely disease identification and crop health management.
146.	TCMAPY913	Weather Forecasting Using Deep Learning Techniques (Python-Deep learning)	Utilize deep learning to enhance weather forecasting by analyzing historical data and environmental factors, aiming to enhance prediction accuracy for informed decision-making and preparedness.
147.	TCMAPY918	Coconut Disease Prediction System Using Image Processingand Deep Learning Techniques (Python-Deep learning)	Develop a robust system utilizing image processing and deep learning to accurately detect and classify coconut tree diseases, aiding early management for farmers and researchers to enhance agricultural productivity.

S.No	Project Code	Project Name	Objective
148.	TCMAPY919	Deep Learning-Driven Detection and Mapping of Rockfallson Mars (Python-Deep learning)	Develop an efficient deep learning system for automated detection and mapping of rockfalls on Mars.
149.	TCMAPY922	Product Recommendation System for Supermarket (Python-Deep learning)	Develop a personalized product recommendation system for supermarkets, leveraging customer data to enhance shopping experiences and drive sales through tailored suggestions.
150.	TCMAPY911	Cotton Plant and Leaf Detection using Deep Learning (Python-Deep learning)	Develop a user-friendly deep learning solution using CNN and MobileNet to accurately detect cotton plants and leaves from images, aiding farmers in early issue detection for enhanced crop yields and sustainable agriculture.
151.	TCMAPY1011	Types of Car Detection by using Deep Learning Algorithms (Python-Deep learning)	Develop and assess deep learning algorithms for precise car detection across diverse scenarios, advancing traffic monitoring, autonomous navigation, and safety protocols.
152.	TCMAPY1015	Classification of Malaria-Infected Cells using ConvolutionalNeural Networks (Python-Deep learning)	Develop a robust CNN model to classify malaria-infected cells in microscopic images, aiding in rapid diagnosis and monitoring in resource-limited areas.
153.	TCMAPY1016	Identification of Fake Indian Currency using Convolutional Neural Network (Python-Deep learning)	Develop a CNN for accurate detection of counterfeit Indian currency notes, bolstering fraud prevention and ensuring transaction integrity.
154.	TCMAPY1017	Mushroom Image Classification with CNN (Python-Deep learning)	This project aims to explore diverse CNN training methods for mushroom image recognition, assessing their accuracy, robustness, and efficiency with a focus on

S.No	Project Code	Project Name	Objective
			data augmentation, transfer learning, and custom architectures.
155.	TCMAPY1048	Colorectal Cancer Detection by using Deep Learning (Python-Deep learning)	Develop a CNN-based model for early and precise colorectal cancer detection from medical images, aiming to enhance diagnostic accuracy and expedite intervention for improved patient outcomes.
156.	TCMAPY1049	Handwritten Signature Recognition using Machine Learning (Python-Deep learning)	Developing an automated solution to distinguish between genuine and fraudulent handwritten signatures to mitigate rising concerns of forgery in legal and financial transactions.
157.	TCMAPY1050	Air Quality Index Prediction by Using Machine and Deep Learning (Python-Deep learning)	Create a predictive model utilizing machine learning and deep learning algorithms, integrating historical air quality and meteorological data to forecast AQI values accurately, empowering proactive air quality management and public health initiatives.
158.	TCMAPY1051	Obesity Level Estimation based on Machine Learning Methods and Artificial Neural Networks (Python-Deep learning)	Develop a predictive model using LSTM algorithm to estimate obesity levels, enabling early intervention and personalized healthcare recommendations for proactive obesity management, fostering healthier lifestyles and reducing related health risks.
159.	TCMAPY1066	Image Based Stress Detection Using Deep Learning (Python-Deep learning)	Develop and assess a hybrid CNN-MobileNet deep learning model for precise stress detection and quantification via image analysis to offer timely mental well-being interventions and support.

S.No	Project Code	Project Name	Objective
160.	TCMAPY1072	Discovering Knee Osteoarthritis Using CNN enhancedWith Ensemble Methods (Python-Deep learning)	This study aims to enhance CNNs with Ensemble architecture for accurate knee osteoarthritis detection via medical image classification, improving diagnostic efficiency for timely interventions and better patient outcomes.
161.	TCMAPY1073	Oil Spill Detection (Python-Deep learning)	Develop a deep learning system to classify oil spills from ocean container images, facilitating real-time detection, classification, and alerts for environmental and maritime safety.
162.	TCMAPY1078	Fashion Recommendation System (Python-Deep learning)	Develop a Fashion Recommendation System utilizing CNNs to analyze uploaded images, providing accurate and personalized suggestions from a vast online inventory, enhancing user fashion exploration.
163.	TCMAPY1081	Blood Cell Image Classification (Python-Deep learning)	Develop a precise blood cell classification system using CNN with ResNet integration to advance automated hematological analysis for improved medical diagnostics.
164.	TCMAPY1083	Glaucoma and Cataract Detection (Python-Deep learning)	Developing a precise automated system utilizing CNN and MobileNet to enhance early detection and classification of glaucoma and cataracts, aiming to improve diagnostic accuracy and enable timely intervention in ophthalmic healthcare.
165.	TCMAPY1093	Optimization of the Load Balancing in the Edge Servers for Mobile Edge Computing using Deep Learning Algorithms (Python-Deep learning)	Developing CNN and MobileNet algorithms for precise glaucoma and cataract detection, aiming to enhance ophthalmic healthcare through accurate, early diagnosis and efficient intervention.

S.No	Project Code	Project Name	Objective
166.	TCMAPY1096	Blood Cancer Detection using AI (Python-Deep learning)	Developing CNN and MobileNet algorithms for precise glaucoma and cataract detection, aiming to enhance ophthalmic healthcare through accurate, early diagnosis and efficient intervention.
167.	TCMAPY1097	Classification of Poetry Text into the Emotional States using Deep Learning Technique (Python-Deep learning)	Develop an efficient deep learning system to classify poetry into emotional states, providing insights into language and sentiment nuances within literary works.
168.	TCMAPY1099	Harnessing AI for Deep Fake Detection in Images (Python-Deep learning)	Develop, optimize, and evaluate deep fake detection using VGG16 and MobileNet CNNs on diverse datasets to enhance AI-driven tools combating image-based misinformation, ensuring real-time applicability and scalability.
169.	TCMAPY1100	Detection of Black Coffee Beans (Python-Deep learning)	The research aims to utilize CNN and MobileNet for accurate coffee bean classification, reducing manual labor and enhancing classification speed.
170.	TCMAPY1103	AI-Based Tool for Preliminary Diagnosis of Dermatological Manifestations (Python-Deep learning)	Develop an AI tool for preliminary dermatological diagnoses, enhancing accessibility and efficiency in dermatological care.
171.	TCMAPY1105	Arrhythmia Classification using 2D CNN (Python-Deep learning)	Develop an efficient CNN-based arrhythmia classification system, emphasizing smaller input sizes for enhanced diagnostic accuracy using MIT-BIH and PTB Arrhythmia databases. Optimize input sizes to achieve high accuracy in grouping and

S.No	Project Code	Project Name	Objective
			classifying ECG signals, enhancing arrhythmia detection.
172.	TCMAPY1108	Developing a Software for Budding of Videos from English to India other Religions Language (Python-Deep learning)	Develop user-friendly video translation software for diverse Indian religious languages, employing advanced machine translation for precise, cross-cultural communication. Promote linguistic diversity and cultural understanding through accessible interfaces, fostering information democratization.
173.	TCMAPY1114	Potato Leaf Disease Classification Using CNN (Python-Deep learning)	Develop a convolutional neural network system to identify and classify plant leaf diseases, enabling efficient monitoring of plant health.
174.	TCMAPY1118	Port Aqua Market demand analysis and recommendation system (Python-Deep learning)	Develop a deep learning system for accurate fish species classification from images, enabling sustainable fishing recommendations and ecosystem conservation.
175.	TCMAPY1119	Lung Nodule Detection Using Vision Transformer with Avian Optimization (Python-Deep learning)	Develop and assess a novel diagnostic tool utilizing Vision Transformer networks and Avian optimization for accurate lung nodule detection in CT scans, aiming to enhance early diagnosis and treatment of lung diseases through advanced medical image analysis.
176.	TCPGPY440	Synthetic Speech Detection Through Short-Term and Long-Term Prediction Traces (Python-Deep learning)	Develop a robust system utilizing advanced deep learning algorithms to detect synthetic speech via analysis of short-term and long-term prediction traces, focusing on feature extraction and rigorous model optimization

S.No	Project Code	Project Name	Objective
			for high accuracy and reliability, with deployment aimed at enhancing security and trust in communication channels.
177.	TCMAPY1120	Under Water Fish Detection Using Faster RCNN and Yolov5 (Python-Deep learning)	Develop and refine a highly accurate and efficient underwater fish detection system using YOLOv5 and Faster R-CNN to address challenges like varying light conditions and obstructions, aiming to identify the optimal model for real-world application.
178.	TCMAPY1123	Multimodal Emotion Classification using Machine Learning and Deep Learning (Python-Deep learning)	Developing a robust multimodal emotion classification system leveraging machine learning and deep learning to accurately interpret human emotions from speech, text, and facial expressions.
179.	TCMAPY1124	Language Translator Only for Telugu, English using Deep Learning (Python-Deep learning)	Develop a Telugu-English language translator using LSTM neural networks for accurate and fluent translations, aiming to bridge the language gap efficiently.
180.	TCMAPY1142	A Deep Dive into AI-Powered Food Identification and Portion Size Estimation (Python-Deep learning)	Develop and deploy an AI-based system using Detectron2 to accurately identify food items and estimate portions, advancing dietary tracking and personalized health monitoring.
181.	TCMAPY1143	Recipe Finder Using Deep learning (Python-Deep learning)	Developing an innovative Recipe Recommendation System combining Convolutional Neural Networks with traditional methodologies to offer personalized meal suggestions, simplifying meal planning and enhancing culinary experiences through user-friendly interfaces and iterative refinement.

S.No	Project Code	Project Name	Objective
182.	TCMAPY1144	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies (Python-Deep learning)	Develop an automated system using YOLOv5 for vehicle damage detection and repair cost estimation to enhance accuracy, expedite claims processing, and reduce human involvement in evaluation.
183.	TCMAPY1146	Speech Noise Cancelling and Enhancement (Python-Deep learning)	Implement and assess FXLMS for speech noise cancellation in real-world scenarios, comparing effectiveness, feasibility for real-time systems, and exploring diverse applications for enhanced speech communication.
184.	TCMAPY1152	Tamil to English with context awareness for homophones and homonyms (Python-Deep learning)	Develop a context-aware translation system for Tamil to English, leveraging LSTM and BERT algorithms to accurately disambiguate homophones and homonyms, enhancing translation quality and reliability.
185.	TCMAPY1155	Project Deep Learning for Terrain Recognition (Python-Deep learning)	Develop an efficient deep learning framework for terrain classification, assessing CNN models (MobileNet, DenseNet121) and a hybrid MobileNet-SVM for accuracy. Validate robustness across diverse environments, emphasizing applications in autonomous navigation and environmental monitoring.
186.	TCMAPY1156	Document Image correctness Using AutoEncoders (Python-Deep learning)	Develop a user-friendly auto-encoder neural network solution to enhance text clarity in noisy images, aiming to improve image correctness and text clarity across applications.
187.	TCMAPY1157	PlantDet: A Robust Multi-model Ensemble Method Based on Deep learning for Plant Disease Detection (Python-Deep learning)	PlantDet aims to improve plant disease detection accuracy in agriculture through deep learning integration for timely intervention and enhanced crop health and economic outcomes.



S.No	Project Code	Project Name	Objective
188.	TCMAPY1158	Transfer Learning for Misinformation Classification: A Deep Dive into Model Fine-Tuning and Adaptation Strategies. (Python-Deep learning)	Optimizing transfer learning for misinformation detection using advanced NLP models like BERT and Roberta.
189.	TCMAPY1162	Lightweight EfficientNetB3 Model Based on Depthwise Separable Convolutions for Enhancing Classification of Leu (Python-Deep learning)	Developing a streamlined deep learning model, integrating depth-wise separable convolutions, for accurate and efficient leukemia detection from annotated WBC images, aiming to enhance medical diagnostics for scalable solutions in clinical practice.
190.	TCMAPY1167	An experimental analysis of deep neural Network based Classifiers for Sentiment Analysis Task (Python-Deep learning)	The project aims to assess and compare deep neural network architectures for sentiment analysis, evaluating effectiveness across factors like model complexity and training data size.
191.	TCMAPY1168	WildFishNet Open Set Wild Fish Recognition Deep Neural Network with Fusion Activation Pattern (Python-Deep learning)	Develop a specialized deep neural network for open-set wild fish recognition, training on a dataset of 29 distinct species to overcome appearance variations and environmental challenges, aiming for robust classification in diverse natural habitats.
192.	TCMAPY1173	Identification of Mango leaf disease using deep learning (Python-Deep learning)	Develop a deep learning system for precise classification of mango leaf diseases to aid farmers in early detection and management, enhancing crop health and yield.
193.	TCMAPY1009	Interval-Arithmetic Vector Quantization for Image Compression (Python-Deep learning)	Integrating CNNs and IAVQ for enhanced image reduction, prioritizing compression efficiency and perceptual quality through interval arithmetic-aided quantization and CNN attribute preservation, validated via quantitative metrics against alternatives.

S.No	Project Code	Project Name	Objective
194.	TCMAPY1141	Turmeric plant disease detection (Python-Deep learning)	Develop an integrated solution using deep learning and traditional ML for precise turmeric leaf disease classification.
195.	TCMAPY680	E- Crime Management System (Python-Deep learning)	The main objective of the project is to filling an online complaint against any crime in case of victim or witnessed by the user
196.	TCMAPY686	Conglomerate Authentication System (Python-Deep learning)	The main objective of the project is to provide an application which provides authentication for our data by using face, color, image and with username.
197.	TCMAPY574	Attendance Tracking System using face recognition (Python-Deep learning)	Automating attendance management to replace time-consuming and challenging manual methods.
198.	TCMAPY561	Lung Cancer Image Segmentation using Various Image Processing Techniques (Python-Deep learning)	The main objective of this project segmentation of Lungs CT images using different segmentation techniques
199.	TCMAPY530	Showing Vaccination Status with Certificate of User on Face Recognition (Python-Deep learning)	The main objective of the project is to show the status of the vaccination using faces rather that the Aadhar.
200.	TCMAPY418	Detecting Unauthorized Access of Personal Device (Python-Deep learning)	The main objective of this project is to detect the unauthorized person access in order to provide the security in authenticating a device

S.No	Project Code	Project Name	Objective
201.	TCMAPY395	Deep Learning Based Deforestation Classification (Python-Deep learning)	Develop a deep learning-based system to accurately identify and monitor deforestation for conservation, policy guidance, and sustainable land use.
202.	TCMAPY360	Fruit Disease Detection Using Color, Texture and ANN (Python-Deep learning)	Develop an affordable fruit disease detection system leveraging OpenCV, ANN, and K-means clustering for agricultural applications via image processing techniques.
203.	TCMAPY358	Image Classification And Inference Engine For Machine Learning (Python-Deep learning)	Our objective is to compare the performance of transfer learning-based deep learning models (ResNet50, VGG16, and custom DNN) for detecting and recognizing animals like Tigers, Cats, Dogs, and Birds.
204.	TCMAPY	Image forgery detection using MD5 and OpenCV (Python-Deep learning)	Develop an image forgery detection system leveraging MD5 hashing and OpenCV for reliable identification and analysis of image manipulations to support forensic investigations and ensure digital image integrity.
205.	TCMAPY	Online Exam Authentication System Using Deep Learning (Python-Deep learning)	Create a robust online exam authentication system using deep learning for accurate biometric verification, enhancing exam integrity and deterring cheating.
206.	TCMAPY636	Vitamin Deficiency Detection Using Image Processing And Neural Network. (Python-Deep learning)	The main objective of the project is to detect the deficiency in the organs of the human body by considering the texture.

S.No	Project Code	Project Name	Objective
207.	TCMAPY881	Human Activity Recognition Using Deep Learning (Python-Deep learning)	Develop algorithms to accurately classify human actions in videos for diverse applications like healthcare, sports, security, and robotics.
208.	TCPGPY388	Rice Leaf Diseases Classification Using Cnn With Transfer Learning (Python-Deep learning)	The objective of this project is to create our own dataset of small in size and develop deep learning model using transfer learning to classify the rice leaf disease.
209.	TCPGPY390	Deep Learning For Large-Scale Traffic-Sign Detection And Recognition (Python-Deep learning)	Enhancing traffic sign detection and recognition performance via CNN-based mask R-CNN for end-to-end learning.
210.	TCMAPY629	Dish Recipe Recognition Using Deep Learning (Python-Deep learning)	Develop an automated system using deep learning to accurately identify and categorize dishes in food images for applications like recipe recommendation and dietary analysis.

S.No	Project Code	Project Name	Objective
211.	TCMAPY952	Human Influences On Diet Knowledge On Food-Based Using Deep Learning (Python-Deep learning)	The study aims to employ deep learning to investigate human influences on food-based diet knowledge, enhancing dietary education and decision-making.
212.	TCMAPY622	Extraction Of Ayurveda Herbs And Benefit Using Deep Learning Algorithms (Python-Deep learning)	Classify AYURVEDA HERBS & BENEFITS images using CNN and Transfer learning.
213.	TCMAPY842	Detection Of Chronic Kidney Disease Using Deep Learning (Python-Deep learning)	The primary goal of this project is to classify the type of kidney disease that is detected using deep learning techniques.
214.	TCMAPY954	Sign Language Recognition System Using Convolutional Neural Network (Python-Deep learning)	Develop a CNN-based Sign Language Recognition System to accurately interpret gestures for seamless communication between deaf individuals and others.
215.	TCMAPY956	Student Engagement Detection In Class Room (Python-Deep learning)	Optimize teaching effectiveness and student outcomes by accurately assessing and enhancing classroom engagement through analysis of diverse indicators.
216.	TCMAPY901	Automatic Pavement Crack Detection (Python-Deep learning)	Developing an automated system for accurate pavement crack detection using computer vision and machine learning to enhance inspection efficiency and reduce manual intervention.

S.No	Project Code	Project Name	Objective
217.	TCMAPY957	Parkinson'S Disease Detection Using Deep Learning Techniques (Python-Deep learning)	Develop accurate deep learning-based system for non-invasive Parkinson's Disease detection, facilitating early diagnosis and treatment.
218.	TCMAPY842	Chronic Kidney Disease Using Deep Learning (Python-Deep learning)	The primary goal of this project is to classify the type of kidney disease that is detected using deep learning techniques.
219.	TCMAPY156	Major Earthquake Event Prediction Using Various Machine Learning Algorithms (Python-Deep learning)	The project aims to predict major earthquakes using various classification algorithms like Random Forest, Naïve Bayes, Logistic Regression, AdaBoost, KNN, Support Vector Machine, and Multi-Layer Perceptron Classifier.
220.	TCMAPY498	Currency Classification System Using Deep Learning (Python-Deep learning)	The main objective of this project is to classify the currency image using the CNN algorithm of deep learning along with MobileNet model.
221.	TCMAPY958	Disease Classification Of Liver And Lungs Using Deep learning (Python-Deep learning)	Develop accurate and efficient deep learning models to automatically classify liver and lung diseases from medical imaging data, enhancing early diagnosis and patient care.
222.	TCMAPY738	Crop Pest Classification Model Using Ann And Cnn Deep Learning Techniques (Python-Deep learning)	The main objective of this project is to detect the pest type using deep learning techniques.

S.No	Project Code	Project Name	Objective
223.	TCMAPY180	Emotion Recognition Using Speech Processing (Python-Deep learning)	Develop methodologies to process speech signals and classify emotions, crucial for effective communication, whether from individuals or speakers.
224.	TCMAPY571	Crop field paddy crop disease detection using SVM and CNN algorithm (Python-Deep learning)	Developing an accurate and efficient deep learning-based system for early crop disease detection to enhance food security and improve crop yield through timely intervention.
225.	TCMAPY1107	Image Caption Generator using CNN and LSTM (Python-Deep learning)	Develop an image captioning application utilizing CNN for feature extraction and LSTM for generating natural language captions, facilitating image indexing, social media tagging, and aiding the visually impaired.
226.	TCMAPY736	Monkey Pox Disease Detecting System (Python-Deep learning)	The main objective of the project is to detect the monkey pox disease on the skin using deep learning techniques.
227.	TCMAPY818	Brain Stroke Detection Using Ct Or Mri Scan (Python-Deep learning)	The main aim of the project is to detect the stroke in the brain by training the CT and MRI images using deep learning techniques.
228.	TCMAPY365	Deep Learning For Natural Language Parsing (Python-Deep learning)	Developing and evaluating a multi-lingual dependency parser using advanced deep learning techniques.

S.No	Project Code	Project Name	Objective
229.	TCMAPY229	Deep Facial Diagnosis Deep Transfer Learning From Face Recognition To Facial Diagnosis (Python-Deep learning)	Develop a neural network-based method to predict dermatological diseases from 2D facial images.
230.	TCMAPY959	Image Based Indian Monument Recognition Using Convoluted Neural Networks (With Aws) (Python-Deep learning)	Develop a CNN-based system with AWS integration for accurate recognition and classification of Indian monuments from images, facilitating diverse applications like tourism and cultural preservation.
231.	TCMAPY240	Classification Of Poetry Text Into The Emotional States Using Deep Learning Technique (Python-Deep learning)	The objective of this project is to define an approach that classifies the text of poetry into different emotional states like love, joy, hope, sadness, anger, etc.
232.	TCMAPY259	Image-Based Plant Disease Detection: A Comparison of Deep Learning and Classical Machine Learning Algorithms (Python-Deep learning)	In this application, we are detecting and identifying the crops disease using CNN (Convolutional Neural Network) mode.
233.	TCMAPY960	Gender Classification Using Deep Learning Techniques (Python-Deep learning)	Develop a precise and resilient deep learning model for automated gender classification from facial or vocal features, enhancing applications like facial recognition, voice assistants, and demographic analysis.



S.No	Project Code	Project Name	Objective
234.	TCMAPY310	Deep Learning Based Fusion Approach for Hate Speech Detection (Python-Deep learning)	The project aims to explore ELMo, BERT, and CNN text classification methods for hate speech detection, enhancing performance through fusion of classification results from these methods and different CNN classifiers.
235.	TCMAPY496	Brain Disease Classification Along with Age Estimation (Python-Deep learning)	Develop accurate and efficient methods to detect brain diseases and estimate age using brain imaging data, aiding in early diagnosis and age-related research in neuroscience and healthcare.
236.	TCMAPY858	Cancer Detection Using Machine Learning (Cervical, Breast and Lung Cancer) (Python-Deep learning)	The main objective of the project is to detect the cancer in breast, lung and in bones using deep learning techniques.
237.	TCMAPY301	Plant Species Classification (Python-Deep learning)	The main objective of this to classify the different plant species using Convolution Neural Network (CNN) of deep learning
238.	TCMAPY469	Deep Learning Techniques For Garbage Classification (Python-Deep learning)	The main objective of this to classify the images of types of using the Convolution Neural Network (CNN) of deep learning.

S.No	Project Code	Project Name	Objective
239.	TCMAPY359	Online Voting System (Python-Deep learning)	Develop a secure and efficient online voting system for India utilizing unique Aadhaar identity verification to prevent manipulation and ensure timely results.
240.	TCMAPY395	Identifying Deforestation Using Ai Enabled Satellite Image Processing (Python-Deep learning)	Leverage AI-enabled satellite image processing to detect and monitor deforestation for informed conservation and land management decisions.
241.	TCMAPY407	Classification Of tobacco Leaf Pests Using Vgg16 Transfer Learning (Python-Deep learning)	The main of this project is to classify the disease present on the tobacco leaves by using deep learning techniques.
242.	TCMAPY409	A Model For Prediction Of Paddy Crop Disease Using Cnn (Python-Deep learning)	In this application, we create a deep learning architecture to identify and detect of paddy plant leaf based diseases
243.	TCMAPY417	Multi Scale Progressive Fusion Network For Single Image Deraining (Python-Deep learning)	The main objective of the project is to remove the rain in the images using convolution neural network
244.	TCMAPY419	Transfer Learning Based Object Detection By Using Convolutional Neural Networks (Python-Deep learning)	Improving object detection accuracy using various CNN models and employing a majority voting scheme for enhanced results.
245.	TCMAPY962	DI Based Felis Catus Classification Using Cnn And Logistic Regression (Python-Deep learning)	The main objective of this project is to classify different cat breeds using deep learning based CNN algorithm.
246.	TCMAPY447	Image Based Plant Leaf Disease Detection Using Transfer Learning Plant Names (Python-Deep learning)	In this application, we are detecting and identifying the crops disease using CNN (Convolutional Neural Network) model.
247.	TCMAPY454	Deep Learning Based Cervical Cancer Diagnosis Using Time-Lapsed Colposcopic Images (Python-Deep learning)	Develop a CNN-based transfer learning model to predict cervical cancer as positive or negative.

S.No	Project Code	Project Name	Objective
248.	TCMAPY455	Deep Learning Based Food Classification (Python-Deep learning)	The main objective of this to classify the images of food using the Transfer Learning based Convolution Neural Network (CNN) of deep learning. Here, we mainly explore the problem of food classification
249.	TCMAPY677	Real Time Face Recognition For Library Check In Check Out System (Python-Deep learning)	The main objective of the project is to detect the face and to maintain library check in check out database.
250.	TCMAPY817	Hand Written Charecter Recognition System (Python-Deep learning)	In this project we are designing a image segmentation based Handwritten character recognition system using deep neural networks.
251.	TCMAPY536	An Enhanced Technique Of Skin Cancer Classification Using Deep Convolutional (Python-Deep learning)	The main objective of the project is to detect the type of the skin cancer using convolution neural networks.
252.	TCMAPY570	Lung Segmentation Techniques (Python-Deep learning)	The main objective of this project segmentation of Lungs CT images using different segmentation techniques.
253.	TCMAPY481	Detection & Classification Of Pneumonia In Chest X-Ray Images Using Deep Learning Techniques (Python-Deep learning)	Classify chest X-ray images for pneumonia infection using Convolutional Neural Networks (CNN) with transfer learning methods.
254.	TCMAPY484	Plant Nutrient Deficiencies (Python-Deep learning)	The main objective of this project is classify the nutrition deficiencies of plants using deep learning and machine learning algorithms
255.	TCMAPY493	Face Recognition Using Computer Vision And Cnn Algorithm (Python-Deep learning)	The main objective of this project is to recognize the faces of a person using the CNN algorithm of deep learning along with computer vision.

S.No	Project Code	Project Name	Objective
256.	TCMAPY508	Alzheimers Disease Detection Using Deep Learning	The main objective of this application is to detect the Alzheimer's diseases using deep learning models.
257.	TCMAPY513	Object Detection Using Yolo Model (Python-Deep learning)	The main goal of this project is to detect multiple objects in a single frame using Yolo (You Only look once) model.
258.	TCMAPY523	Image Denoisng Using Autoencoders &Decoders (Python-Deep learning)	The main objective of this project is to denoise the image using the auto encoders and decoders.
259.	TCMAPY524	Car Crash Detection (Python-Deep learning)	The main objective of this project is to send an SMS alert to concerns whenever the car crash occurs.
260.	TEMBMA3231	Pothole Detection (Python-Deep learning)	Developing an automated system to detect and locate potholes in road surfaces for proactive maintenance and enhanced road safety.
261.	TCMAPY964	Vehicles License Plate Recognition (Python-Deep learning)	The primary aim of VLPR is to automatically capture and interpret license plate information for efficient vehicle identification across various applications.
262.	TCMAPY543	Deep Iris Feature Extraction (Python-Deep learning)	The main objective of this project is to classify the state of eyes using ResNet101, DenseNet201, CNN techniques.
263.	TCMAPY544	Micro Organism Image Recognition And Disease Prediction Based On DI (Python-Deep learning)	The main objective of this to classify the different microorganisms and predicting their diseases using Convolution Neural Network (CNN) of deep learning.
264.	TCMAPY965	Qr Payment System Using Cryptosystem (Python-Deep learning)	The QR Payment System with Cryptosystem aims for secure, efficient, and convenient transactions, leveraging QR codes and cryptography to safeguard financial data and streamline digital payments.

S.No	Project Code	Project Name	Objective
265.	TCMAPY565	Speaker Recognition With The Help Of Neural Networks (Python-Deep learning)	The project aims to identify speakers by detecting and recognizing voice patterns using neural networks.
266.	TCMAPY568	Discriminative Feature Learning For Thorax Disease Classification (Python-Deep learning)	The main objective of this Project is to create an effective system for classifying Thorax diseases using chest x-ray images using dense net architecture.
267.	TCMAPY569	A Model-Driven Deep Dehazing Approach By Learning Deep Priors. (Python-Deep learning)	The main objective of this Project is to create an effective system for removing hazy part from the image with better results.
268.	TCMAPY966	Age From Faces Using Cnn. (Python-Deep learning)	Developing a computer vision system utilizing deep learning techniques to predict age from facial video feeds.
269.	TCMAPY1020	A Verifiable and Fair Attribute-Based Proxy Re-Encryption Scheme for Data Sharing in Clouds (Python-Cloud)	The objective of this study is to introduce a novel verifiable and fair attribute-based proxy re-encryption (VF-ABPRE) scheme to manage outsourced encrypted data in cloud environments. The scheme ensures both verifiability, allowing shared users to confirm the correctness of re-encrypted data, and fairness, protecting cloud servers from false accusations by verifying honest re-encryption operations. Performance evaluations validate the scheme's efficiency and practicality.
270.	TCMAPY1021	Sanitizable Access Control System for Secure Cloud Storage Against Malicious Data Publishers (Python-Cloud)	Cloud computing offers cost-effective IT solutions but raises security concerns. Storing plaintext data poses threats, necessitating encryption. This research introduces the Sanitizable Access Control System (SACS) for secure cloud storage resistant to such publishers, leveraging q-

S.No	Project Code	Project Name	Objective
			Parallel Bilinear Diffie-Hellman Exponent Assumption.
271.	TCMAPY1022	Publicly Verifiable Shared Dynamic Electronic Health Record Databases with Functional Commitment Supporting Privacy-Preserving Integrity Auditing. (Python-Cloud)	Electronic Health Record (EHR) system's efficiency and security in the cloud. We introduce a publicly verifiable, updatable EHR database that offers privacy and batch integrity checking, minimizing user communication costs. By modifying the functional commitment scheme and incorporating verifier- local revocation group signature, our approach ensures dynamic group member operations, traceability, and non-frame ability.
272.	TCMAPY1023	Enabling Fast Public Auditing and Data Dynamics in Cloud Services (Python-Cloud)	The objective is to optimize public auditing for encrypted data in cloud servers, emphasizing efficient support for data dynamics. We aim to enhance data modification, insertion, auditor's computational cost, integrity and privacy against an untrusted cloud.
273.	TCMAPY1024	Dual-Server Public-Key Authenticated Encryption with Keyword Search (Python-Cloud)	The objective is to address the vulnerability of traditional PEKS schemes to the inside keyword guessing attack (IKGA) in cloud storage. We introduce Dual-server Public-key Authenticated Encryption with Keyword Search (DPAEKS) that leverages two non-cooperative servers, offering both protection against IKGA and authentication, while ensuring efficiency and strong security.

S.No	Project Code	Project Name	Objective
274.	TCMAPY1025	Authorized Keyword Search over Outsourced EncryptedData in Cloud Environment. (Python-Cloud)	The objective is to introduce a novel expressive authorized keyword search scheme for encrypted data in cloud servers. The scheme supports multi-owner, multi-user scenarios, ensures semantic security against various attacks, introduces an interactive protocol without secure-channels, enables efficient user revocation and authentication, supports conjunctive keyword searches, and outperforms related works.
275.	TCMAPY1026	An Efficient Privacy-Preserving Public Auditing Protocol for Cloud-Based Medical Storage System. (Python-Cloud)	The objective of this research is to develop a secure and efficient privacy-preserving public auditing protocol for cloud-based medical storage systems. This protocol aims to ensure the integrity of medical data, support batch auditing, and dynamic data updates while significantly reducing computational costs for both the data owner and the third-party auditor, as well as improving communication efficiency between the auditor and the cloud server.
276.	TCMAPY1027	Secure and Efficient Online Fingerprint Authentication Scheme Based on Cloud Computing. (Python-Cloud)	We propose the Secure e-finger scheme for biometric-based online fingerprint authentication, enhancing privacy protection against temporary fingerprint attacks while maintaining efficiency. Additionally, we introduce a threshold scheme based on biological characteristics to address excessive authority issues, ensuring secure and robust authentication.

S.No	Project Code	Project Name	Objective
277.	TCMAPY1034	Authentication and key Agreement Based on Anonymous Identity for Peer-to-Peer Cloud. (Python-Cloud)	The objective is to address the challenge of cross-cloud data migration for mobile users by introducing an efficient migration model and a secure mutual authentication and key agreement scheme based on elliptic curve certificate-free cryptography. This scheme fosters trust between cloud providers, facilitating seamless data migration while outperforming existing methods in terms of reduced computational and communication costs.
278.	TCMAPY1035	Attribute-Based data Sharing Scheme Revisited in Cloud Computing. (Python-Cloud)	The objective of this project to enhance the security features for unauthorized decryption and unauthorized attribute manipulations on data while maintain the features of security aiming to make the system more secure and practical for use.
279.	TCMAPY1036	Privacy-Preserving Public Auditing Protocol for regenerating-code-based Cloud Storage (Python-Cloud)	The objective of this critique is to expose security privacy-preserving public auditing protocol for cloud storage. Specifically, it aims to demonstrate that the protocol is susceptible to forgery by proxy delegates, highlighting the need for improved security measures in future protocol designs for cloud computing.
280.	TCMAPY1037	SEPDP: Secure and Efficient Privacy Preserving Provable data possession in Cloud Storage. (Python-Cloud)	The objective is to challenge the claim of a recent provable data possession scheme, as described in the paper, by demonstrating that it fails to ensure storage correctness. The focus is on revealing vulnerabilities where a malicious cloud can produce fraudulent proof to pass third-party auditor verification without fully storing the user's file.



S.No	Project Code	Project Name	Objective
281.	TCMAPY1038	Data Access Control in Cloud Computing: Flexible and Receiver Extendable. (Python-Cloud)	The main Objective of this project is to implement EIBBE (Extendable Identity-Based Broadcast Encryption) encryption method for flexible data access control. This system allows for the expansion of the receiver set without the need for re-encryption, addressing the limitations of existing broadcast encryption systems which do not support receiver extension. It ensures the efficiency and feasibility, while also allowing data uploaders to define the maximum limit for extended receivers.
282.	TCMAPY1039	Data Integrity Audit Based on Data Blinding for Cloud and Fog Environment. (Python-Cloud)	The main objective of this project is on security and speed in cloud-fog computing, this paper suggests a new method for checking data's integrity using a technique called data blinding. By adding an extra layer and using a special factor, we can send data faster and more securely.
283.	TCMAPY1106	Securing Data with Image Encryption using AES Algorithm. (Python-Cloud)	The objective of this project is to enhance data security by implementing an Advanced Encryption Standard (AES) algorithm to encrypt text before covertly embedding it within image files. The primary goal is to develop a robust encryption and embedding process, ensuring data confidentiality and imperceptibility. The project aims to explore covert communication techniques.
284.	TCMAPY1129	An Efficient and Privacy Preserving Biometric Identification Scheme in Cloud Computing. (Python-Cloud)	This project aims to enhance power system stability with high renewable integration by assessing renewable variability impacts, exploring mitigation strategies like energy storage and control algorithms, evaluating economic and environmental benefits, and

S.No	Project Code	Project Name	Objective
			offering recommendations for grid management.
285.	TCMAPY1175	Cloud-Based Resource Optimization for Virtualized Environments. (Python-Cloud)	The objective of the project is to develop and implement a Cloud Secure Storage Mechanism (CSSM) to address the significant security challenges associated with cloud storage services. The project aims to enhance data confidentiality by integrating data dispersion and distributed storage techniques, ensuring encrypted and fragmented storage.
286.	TCMAPY1176	Privacy preserving public auditing protocol for regenerating code-based cloud. (Python-Cloud)	To critically evaluate the security measures of privacy-preserving public auditing protocol for regenerating-code-based cloud storage, identify its vulnerabilities, particularly concerning the proxy's ability to falsely authenticate data blocks, and offer insights that can guide the development
287.	TCMAPY1177	A Secure Data Sharing and Authorized Searchable Framework for E-Healthcare System. (Python-Cloud)	The objective of the Secure Data Sharing and Authorized Searchable framework for e-Healthcare is to establish a robust system that ensures the secure sharing of medical data among authorized entities. This framework aims to protect patient privacy and confidentiality while enabling efficient and authorized searches for medical information.
288.	TCPGPY372	A Verifiable Semantic Searching Scheme By Optimal Matching Over Encrypted Data In Public Cloud. (Python-Cloud)	The main objective of this project is "To provide retrieval service to arbitrary words so that queries and search results are flexible. So, it provides verifiability and confidentiality towards security analysis."

S.No	Project Code	Project Name	Objective
289.	TCPGPY373	Dual Access Control For Cloud-Based Data Storage And Sharing. (Python-Cloud)	This project aims to create a Privacy Enabled and Secured Cloud Project deployed in AMAZON WEB SERVICES (AWS). Services offered are Privacy, Encryption and Decryption, hindering Denial of Sustainability attacks
290.	TCMAPY753	Derepo A Distributed Privacy-Preserving Data Repository With Decentralized Access Control For Smart Health. (Python-Cloud)	This project aims to create a novel data repository named Derepo to address the security and privacy issues of the medical data by securing the storage with the decentralized access control mechanism and preserving privacy via the homomorphic encryption scheme.
291.	TCMAPY752	A Secure Data Dynamics and Public Auditing Scheme for Cloud Storage. (Python-Cloud)	The main aim of the project is to achieve a secure public auditing scheme applying third party auditors to authenticate the privacy, reliability, and integrity of data stored in the cloud. This proposed auditing scheme composes the use of the AES-256 algorithm for encryption, SHA-512 for integrity check and RSA-15360 for public key encryption.
292.	TCPGPY379	Multi-Source Medical Data Integration and Mining for Healthcare Services (Python-Cloud)	"In this project we put forward a novel multi-source medical data integration and mining solution for better healthcare services, named PDFM (Privacy-free Data Fusion and Mining). Through PDFM, we can search for similar medical records in a time-efficient and privacy-preserving manner, so as to offer patients with better medical and health services."
293.	TCMAPY751	Group Key Management and Protocol for File Sharing on Cloud Storage (Python-Cloud)	In this project, we are proposing the Group Key Management Protocol for file sharing on cloud storage (GKMP). This helps in achieving the authentication scheme which

S.No	Project Code	Project Name	Objective
			is used to prevent the shared files from being attacked by a combination of cloud providers and group members.
294.	TCMAPY750	Privacy-Preserving Multi-Keyword Searchable Encryption For Distributed Systems (Python-Cloud)	The main aim of this project is to provide privacy or security for supporting multi-keyword search under the multi-user setting, hiding search pattern, access pattern and resisting keyword guessing attacks (KGA). Which are the most challenging tasks.
295.	TCMAPY749	A Categorization Of Cloud-Based Services And Their Security Analysis In The Healthcare Sector (Python-Cloud)	The main objective of this project to achieve security and risk assessment issues in cloud-based services and also to offer an eye-catching categorization of cloud benefits and threats in the healthcare.
296.	TCMAPY748	Multi-Authority Access Control With Anonymous Authentication For Personal Health Record (Python-Cloud)	In this project, a patient-centric PHR sharing framework is proposed. In which all PHRs are protected with multi-authority attribute-based encryption before outsourcing, which solves the key hosting problem and achieves fine-grained access control to PHRs.
297.	TCMAPY746	Secure Outsourcing And Sharing Of Cloud Data Using A User-Side Encrypted File System. (Python-Cloud)	Cloud computing is an emerging paradigm that aims to provide computing resources, massive data storage capacity and, flexible data sharing services. Our goal of this project is to introduce Outputs, a user-side encrypted file system.
298.	TCMAPY747	Cost-Efficient Outsourced Decryption Of Attribute Based Encryption (Python-Cloud)	The main objective of this project "To reduce the total overhead of the cloud server for outsourced decryption of ABE scheme besides decreasing the user's

S.No	Project Code	Project Name	Objective
			overhead of the decryption of ABE scheme when many users submit the outsourced decryption service to the cloud server.”
299.	TCPGPY405	A Reliability Guaranteed Solution For Data Storing And Sharing. (Python-Cloud)	The main objective of this project is the data sharing process is handled by smart contract and escalating parties involved to promote honesty.
300.	TCPGPY404	A Cloud Secure Storage Mechanism Based On Data Dispersion And Encryption. (Python-Cloud)	"The main objective of this project is to calculate the upload and download speed for files, analyzing cloud band width."
301.	TCMAPY740	A Lightweight Policy Update Scheme For Outsourced Personal Health Records Sharing. (Python-Cloud)	The main objective of this project is implementing a secure access control scheme with lightweight
302.	TCMAPY743	Efficient Revocable Multi-Authority Attribute-Based Encryption For Cloud Storage (Python-Cloud)	The main objective of this project is secure file key generation by using the elliptic curves cryptography in an efficient revocable multi-authority attribute-based encryption scheme for cloud storage.
303.	TCPGPY406	A Higher-Level Security Scheme For Key Access On Cloud Computing (Python-Cloud)	The main objective of this project is implementing Shamir's secret sharing algorithm in cloud computing.
304.	TCMAPY763	Secure Data Storage And Sharing Techniques For Data Protection In Cloud Environments A Systematic Review Analysis And Future Directions. (Python-Cloud)	The primary goal of this project is to presents a comparative and systematic study, and in-depth analysis of leading techniques for secure sharing and protecting the data in the cloud environment.

S.No	Project Code	Project Name	Objective
305.	TCPGPY414	Publicly Verifiable And Efficient Fine Grained Data Deletion Scheme In Cloud Computing (Python-Cloud)	The main objective of the project is to propose a data deletion scheme using publicly verifiable scheme.
306.	TCMAPY905	Efficient Identity Based Public Integrity Auditing Of Shared Data In Cloud Storage With User Privacy Preserving (Python-Cloud)	The main objective of the project is to audit the shared data in cloud storage using privacy preserving process.
307.	TCPGPY409	Dsas A SecureData Sharing And Authorized Searchable Framework For E-Healthcare System (Python-Cloud)	Here the different data security techniques are used for the data protection in the cloud environment.
308.	TCPGPY416	Trapdoor Privacy In Public Key Encryption With Keyword Search A Review (Python-Cloud)	The main objective of the project is to provide trapdoor privacy in public key encryption scheme.
309.	TCMAPY873	Esvsse Enabling Efficient Secure Verifiable Searchable Symmetric Encryption (Python-Cloud)	The main objective of the project is to enable, secure and verify the encryption process using symmetric process.
310.	TCMAPY1088	IPFS Based File Storage Access Control and Authentication Model for Secure Data Transfer using Blockchain Technique (Python-Blockchain)	This project aims to address the inefficiencies and limitations of utilizing blockchain for large file storage by leveraging the Ethereum blockchain to enhance the Inter Planetary File System (IPFS).The project seeks to optimize file storage and retrieval, ensuring confidentiality for sensitivedata, and establishing a robust linkage between IPFS nodes and Ethereum accounts for permission enforcement.

S.No	Project Code	Project Name	Objective
311.	TCMAPY1089	Streamlining Credential Verification for Hiring Processes with Blockchain Technology (Python-Blockchain)	The objective of the project is to leverage blockchain technology to revolutionize the issuance and verification of education certificates. By creating tamper-proof, decentralized digital records on the blockchain, the project aims to eliminate the vulnerabilities associated with traditional paper-based certificates.
312.	TCMAPY1090	Blockchain-Enabled Fog Resource Access and Granting (Python-Blockchain)	The "Block chain Enabled Fog Resource Access and Granting" project aims to create a secure and user-friendly system using blockchain to streamline access to Fog services, minimizing authentication complexities and enhancing trust in the Fog computing landscape.
313.	TCMAPY1091	Health Care Supply Chain Security with Zero Knowledge Proof Authentication in Blockchain for Personalized Health Monitoring (Python-Blockchain)	The primary objective of implementing "Block chain for the Management of Internet of Things Devices in the Medical Industry" is to address critical challenges in healthcare by leveraging block chain technology. The goal is to enhance data security and privacy, safeguarding sensitive patient information collected by IoT devices against unauthorized access and data breaches.
314.	TCMAPY1128	Voting System by Using Ethereum (Python-Blockchain)	The objective of this project is to develop a Blockchain- based E-Voting system to enhance security and decentralization. By utilizing Blockchain, the system ensures immutable storage of voting details across multiple nodes, mitigating the risk of data manipulation and server.

S.No	Project Code	Project Name	Objective
315.	TCMAPY1127	Blockchain-Based Evault for Legal Records (Python-Blockchain)	The project aims to bolster tender data security utilizing blockchain technology. Blockchain's inherent decentralization and encryption features ensure data resilience and confidentiality. Each transaction is stored with its hash code, facilitating efficient verification of data integrity
316.	TCMAPY547	Block chain Based Covid Vaccine Booking and Vaccine Management System (Python-Blockchain)	The objective of this project is to provide vaccine for each person which enables people to believe that the vaccines are effective and do their daily chores without any fear. With this we can track vaccine distribution and ensure a fair and equitable distribution.
317.	TCMAPY554	Block Chain Technology in Agriculture Product Supply Chain (Python-Blockchain)	The major goal of this project is to bring increased attention to the health, efficiency, and validation of many important food, agricultural criteria through the international distribution of agricultural output
318.	TCMAPY555	Block chain For Secure EHR's Sharing of Mobile Cloud Based E-Health Systems (Python-Blockchain)	The objective of this project is to provide an effective solution for reliable data exchange while preserving sensitive health information against potential threats.
319.	TCMAPY514	Medical Report Management & Distribution System on Block Chain (Python-Blockchain)	The main objective of this project is To bring forward a secure, safe, efficient and authentic medical report management system using block chain technology.



S.No	Project Code	Project Name	Objective
320.	TCMAPY501	Research On Logistics Information Block Chain Data Query Algorithm Based on Searchable Encryption (Python-Blockchain)	The aim of this process is to solve the problems of inefficiency, key abuse and inflexibility of access control policy for data privacy protection and sharing based on block chain
321.	TCMAPY488	Smart Tender Contract Management System Using Block chain. (Python-Blockchain)	The main objective of this project is to ensure the complete tender management process is secure and efficient we make use of block chain technology to solve tender management issues
322.	TCMAPY464	Efficient Traceable Attribute Based Encryption Scheme with Dynamic Access Control Based on Block chain (Python-Blockchain)	The main objective of Tabe-Dac, an efficient traceable attribute-based encryption scheme with dynamic access control based on block chain, is to provide a secure and efficient solution for data encryption and access control that ensures traceability, scalability, and adaptability.

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**Shahaed**

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Very nice project support, the explanation with the kit were very useful and easy to understand...



**Madhu Sudan Reddy**

5.0 ★★★★★

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