CODE	TITLE	DESCRIPTION
VTMPML01	A Road Accident Prediction Model Using Data Mining Techniques	Support Vector Machine, Data Mining Techniques, Accident prediction, Data mining, Apriori algorithm, Rule mining, Classification
VTMPML02	A Systematic Review of Predicting Elections Based on Social Media Data	Sentiment analysis, Elections, machine learning, social media (SM), social networks (SNs), systematic review
VTMPML03	Agricultural Crop Recommendations based on Productivity and Season	Data Analytics, Recommender System, Machine Learning and Data Science, Knowledge Discovery in Databases, Naive Bayes
VTMPML04	An Efficient Spam Detection Technique for IoT Devices Using Machine Learning	Internet of Things, Machine learning, Security, Feature extraction, Malware, Machine learning algorithms, Computational modeling
VTMPML05	Chronic Kidney Disease Stage Identification in HIV Infected Patients using Machine Learning	HIV Infected, Chronic kidney disease; CKD stage identification; Machine Learning, Support vector machine, KNN
VTMPML06	COVID Senti: A Large-Scale Benchmark Twitter Data Set for COVID-19 Sentiment Analysis	COVID-19, epidemic, misinformation, opinion mining, pandemic, sentiment analysis, text mining, Twitter
VTMPML07	Crop Recommender System Using Machine Learning Approach	Crop Yield Prediction, Machine Learning, Random Forest, Crop Recommender System, Artificial Neural Networks (ANN), Support Vector Machine (SVM), K-Nearest Neighbours (KNN), Multivariate Linear Regression (MLR), Fertilizer
VTMPML08	Detecting Fake Reviews Using Multidimensional Representations With Fine-Grained Aspects Plan	Fake reviews detection, multidimensional representations, relationship modeling, fine-grained aspects
VTMPML09	Diabetes Disease Prediction Using Machine Learning Algorithms	Diabetes disease, Machine Learning (ML), Disease risk analysis, Confusion Matrix, Scikit-learn, Body mass Index (BMI), Precision, Recall, F1-Score, Pandas, NumPy and Python

CODE	TITLE	DESCRIPTION
VTMPML10	Emotion Recognition by Textual Tweets Classification Using Voting Classifier (LR-SGD)	Sentiment analysis, text classification, machine learning, opinion mining, emotion recognition, artificial intelligence
VTMPML11	Crime Type and Occurrence Prediction Using Machine Learning Algorithm	Crime, Analyse, Crime patterns, Kaggle, Estimate, Naïve Bayes, Accuracy
VTMPML12	Machine Learning Based Heart Disease Prediction System	ML: Machine Learning, Vector Quantization, Questionnaire, CSV: Comma-Separated Values, Random Forest algorithm, Decision Trees
VTMPML13	Naive Bayes Classifier for Predicting the Novel Coronavirus	Coronavirus; Naive bayes classifier; Data Mining
VTMPML14	Potato Disease Detection Using Machine Learning	Potato Disease, Image processing, Machine Learning, Disease Detection, Agriculture
VTMPML15	WELFake: Word Embedding Over Linguistic Features for Fake News Detection	Bidirectional encoder representations from transformer (BERT), convolutional neural network (CNN), fake news, linguistic feature, machine learning (ML), text classification, voting classifier, word embedding (WE).
VTMPML16	Predictive Analysis for Big Mart Sales Using Machine Learning Algorithms	Linear Regression, Polynomial Regression, Ridge Regression, Xgboost Regression
VTMPML17	Primary Stage of Diabetes Prediction using Machine Learning Approaches	Support vector machines, Radio frequency, Predictive models, Diabetes, Random forests, Regression tree analysis, Diseases
VTMPML18	Autism Spectrum Disorder Detection in Toddlers for Early Diagnosis Using Machine Learning	Autism, Pediatrics, Machine learning algorithms, Surveillance, Supervised learning, Tools, Prediction algorithms

CODE	TITLE	DESCRIPTION
VTMPML19	Drug Recommendation System Based on Sentiment Analysis of Drug Reviews Using Machine Learning	Drugs, Sentiment analysis, Stochastic processes, Static VAr compensators, Manuals, Recommender systems, Random forests
VTMPML20	Depression Risk Prediction Among Tech Employees Using Ada-boosted Decision Tree	Industries, Adaptation models, Predictive models, Depression, Boosting, Decision trees, Standards
VTMPDL01	A Comparative Study on Fake Job Post Prediction Using Different Data Mining Techniques	False job prediction, Deep Learning, data mining
VTMPDL02	A Lightweight Convolutional Neural Network for Real-Time Facial Expression Detection	Emotion classification, lightweight CNN, real-time, expression detection
VTMPDL03	Brain Tumour Detection Using Deep Learning	CNN, VGG-16, Tumor cells, Data pre-processing, Convolution
VTMPDL04	Classification of Malaria-Infected Cells using Convolutional Neural Networks	Training, Standards organizations, Standardization, Network architecture, Convolutional neural networks, Kernel, Blood
VTMPDL05	Diabetic Retinopathy Detection by means of Deep Learning	Convolutional Neural Network, Retinal Images, Deep Learning, Classification, Dropout, Max Pooling
VTMPDL06	Diagnosis of COVID-19 from Chest X-Ray Images Using Wavelets-Based Depth wise Convolution Network	COVID-19, Coronaviruses, Convolutional neural networks, X-ray imaging, Lung, Discrete wavelet transforms
VTMPDL07	Handwritten Digit Recognition Using CNN	CNN, MNIST dataset, Machine Learning, Handwritten Digit

CODE	TITLE	DESCRIPTION
VTMPDL08	License Plate Detection Methods Based on OpenCV	Visualization, Image edge detection, Transportation, Licenses, Optical character recognition software, Monitoring, Software engineering
VTMPDL09	Melanoma Detection Using Convolutional Neural Network	Skin cancer, melanoma, convolutional neural network, classification
VTMPDL10	Real-Time Drowsiness Identification based on Eye State Analysis	Eye blink detection; Drowsiness Detection; Eye Aspect Ratio (EAR)
VTMPDL11	Tomato Leaf Disease Identification by Restructured Deep Residual Dense Network	Residual dense network, leaf disease identification, agricultural artificial intelligence, tomato leaf diseases
VTMPDL12	Traffic Sign Recognition using Deep learning for Autonomous Driverless Vehicles	Traffic sign detection; traffic sign recognition; smart cars; LeNet-5 Conv.NN; Hue, Saturation Value Color Space; pooling layer; Traffic Safety