

S.NO	PROJECT TITLES	DOMAIN	Existing Algorithms	Proposed Algorithms	Extension Algorithms
1	A Multi-perspective Fraud Detection Method for Multi-Participant E-commerce Transactions	ML	Data Mining	SVM	RF
2	Analysis of Learning Behaviour Characteristics and Prediction of Learning Effect for Improving College Students' Information Literacy Based on Machine Learning	ML	KNN, NB, NN	RF	XGBOOST
3	PhishCatcher: Client-Side Defence Against Web Spoofing Attacks Using Machine Learning	ML	SVM	RF	XGBOOST
4	Automated Stroke Prediction Using Machine Learning: An Explainable and Exploratory Study with a Web Application for Early Intervention	ML	SVM, KNN, NB	RF	CatBoost
5	Short-Term Arrival Delay Time Prediction in Freight Rail Operations Using Data-Driven Models	ML	LR, RF, KNN	Light GBM	XGBOOST
6	Deep Transfer Learning Based Parkinson's Disease Detection Using Optimized Feature Selection	ML	SVM	KNN with GA	Tuned KNN
7	Darknet Traffic Analysis: Investigating the Impact of Modified Tor Traffic on Onion Service Traffic Classification	ML	KNN	SVM, RF	AdaBoost
8	Feature Engineering and Machine Learning Framework for DDoS Attack Detection in the Standardized Internet of Things.	ML	MLP	RF	Voting Classifier
9	False Positive Identification in Intrusion Detection Using XAI.	ML	KNN	Decision Tree	Voting Classifier
10	MCAD_ A Machine Learning Based Cyberattacks Detector in Software-Defined Networking (SDN) for Healthcare Systems.	ML	NB, LR	RF	Voting Classifier

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11	Enhanced DDoS Detection using Machine Learning	ML	LR	RF, KNN	Voting Classifier
12	Machine Learning Approach to Anomaly Detection Attacks Classification in IoT Devices	ML	LR	SVM, RF with K Fold	Stacking Classifier
13	Cloud-Based Intrusion Detection Approach Using Machine Learning Techniques	ML	SVM	RF	RF + Adaboost
14	A Machine Learning Framework for Early-Stage Detection of Autism Spectrum Disorders	ML	KNN	Ada Boost	Voting Classifier
15	Predicting Coronary Heart Disease Using an Improved LightGBM Model_ Performance Analysis and Comparison	ML	Bagging Classifier	LightGBM	Voting Classifier
16	Data Driven Classification of Opioid Patients Using Machine Learning: An Investigation	ML	SVM	RF	Voting Classifier
17	Effective Feature Engineering Technique for Heart Disease Prediction with Machine Learning	ML	Logistic Regression	DT	Stacking Classifier
18	A Multi-Stage Machine Learning and Fuzzy Approach to Cyber-Hate Detection	ML	Naive Bayes	LR Fuzzy GA, Naive Bayes Fuzzy GA	Stacking Classifier
19	Software Defect Prediction Using an Intelligent Ensemble-Based Model	ML			
20	Tomato Quality Classification Based on Transfer Learning Feature Extraction and Machine Learning Algorithm Classifiers	ML			
21	Improving Healthcare Prediction of Diabetic Patients Using KNN Imputed Features and Tri-Ensemble Model	ML			

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22	Toward Improving Breast Cancer Classification Using an Adaptive Voting Ensemble Learning Algorithm	ML			
23	Machine Learning-Based Cardiovascular Disease Detection Using Optimal Feature Selection	ML			
24	Evasion Attacks and defence Mechanisms for Machine Learning-Based Web Phishing Classifiers	ML			
25	Data Driven Energy Economy Prediction for Electric City Buses Using Machine Learning	ML	LR, RF, SVM, ANN	Gaussian Process Regressor (GPR)	CNN2D
26	Adaptive Feature Fusion Networks for Origin-Destination Passenger Flow Prediction in Metro Systems	ML	MLP	Enhanced Multi-Graph Convolution GRU	Enhanced Multi-Graph Convolution LSTM
27	Air Quality Index Forecasting via Genetic Algorithm-Based Improved Extreme Learning Machine	ML	SVR	GA-KELM	BI-LSTM
28	Classification and Forecasting of Water Stress in Tomato Plants Using Bioristor Data	ML	RF, DT	LSTM	CNN
29	Detection of Ransomware Attacks Using Processor and Disk Usage Data	ML	SVM, DT	KNN, RF, XGBOOST, DNN	CNN
30	Forecasting National-Level Self-Harm Trends with Social Networks	ML	ARIMA	XGBoost	DT
31	Pain Recognition with Physiological Signals Using Multi-Level Context Information	ML	RF	CNN + BI-LSTM	CNN + BI-LSTM + BI-GRU
32	Time Series Forecasting and Modelling of Food Demand Supply Chain Based on Regressors Analysis	ML	RF, GB, LGBM	LSTM, BI-LSTM	CNN

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33	Two Stage Job Title Identification System for Online Job Advertisements	ML	SVM, LR, NB	BERT	BERT+ CNN
34	Classifying European Court of Human Rights Cases Using Transformer-Based Techniques	ML	SVM	BERT	Voting Classifier
35	FFM: Flood Forecasting Model Using Federated Learning	ML	LR	feed forward neural network	CNN
36	Hybrid Information Mixing Module for Stock Movement Prediction	ML	LSTM	LSTM + GRU	LSTM + GRU + Bidirectional
37	Hybrid Information Mixing Module for Stock Movement Prediction	ML	LSTM	LSTM + GRU	LSTM + GRU + Bidirectional