

## **IEEE Python (ML / AI / Block Chain/CYBER SECURITY) Projects List 2023-2024**

|              |   |
|--------------|---|
| <b>P2401</b> | A Deep Learning-Based Efficient Firearms Monitoring Technique for Building Secure Smart Cities  |
| <b>P2402</b> | A Machine Learning Approach Using Statistical Models for Early Detection of Cardiac Arrest in Newborn Babies in the Cardiac Intensive Care Unit |
| <b>P2403</b> | An Efficient Privacy-enhancing Cross-silo Federated Learning and Applications for False Data Injection Attack Detection in Smart Grids          |
| <b>P2404</b> | DataFITS: A Heterogeneous Data Fusion Framework for Traffic and Incident Prediction   |
| <b>P2405</b> | Fraud Auditor: A Visual Analytics Approach for Collusive Fraud in Health Insurance  |
| <b>P2406</b> | Predicting hourly boarding demand of bus passengers using imbalanced records from smart-cards: A deep learning approach                         |
| <b>P2407</b> | Propounding First Artificial Intelligence Approach for Predicting Robbery Behavior Potential in an Indoor Security Camera                       |
| <b>P2408</b> | Trustworthy and Reliable Deep-Learning-Based Cyberattack Detection in Industrial IoT  |
| <b>P2409</b> | PupilHeart: Heart Rate Variability Monitoring via Pupillary Fluctuations on Mobile Devices  |
| <b>P2410</b> | RMT-Net: Reject-aware Multi-Task Network for Modeling Missing- not-at-random Data in Financial Credit Scoring                                   |
| <b>P2411</b> | Improving Shopping Mall Revenue by Real Time Customized Digital Coupon Issuance   |
| <b>P2412</b> | A Novel Approach for Disaster Victim Detection Under Debris Environments Using Decision Tree Algorithms With Deep Learning Features             |
| <b>P2413</b> | Automated Emerging Cyber Threat Identification and Profiling Based on Natural Language Processing   |
| <b>P2414</b> | Creating Alert Messages Based on Wild Animal Activity Detection Using Hybrid Deep Neural Networks   |
| <b>P2415</b> | Data Driven Energy Economy Prediction for Electric City Buses Using Machine Learning  |
| <b>P2416</b> | Explainable Artificial Intelligence for Patient Safety: A Review of Application in Pharmacovigilance  |
| <b>P2417</b> | Optimal Ambulance Positioning for Road Accidents With Deep Embedded Clustering  |
| <b>P2418</b> | Personalized Federated Learning for In-Hospital Mortality Prediction of Multi-Center ICU  |
| <b>P2419</b> | The Influence of Artificial Intelligence on E-Governance and Cybersecurity in Smart Cities: A Stakeholder's Perspective                         |
| <b>P2420</b> | Real-Time Personalized Physiologically Based Stress Detection for Hazardous Operations  |
| <b>P2421</b> | A Multi-perspective Fraud Detection Method for Multi-Participant E-commerce Transactions  |
| <b>P2422</b> | Abnormal Traffic Detection Based on Attention and Big Step Convolution  |
| <b>P2423</b> | Identifying Student Profiles within Online Judge systems using Explainable Artificial Intelligence  |
| <b>P2424</b> | Automated Android Malware Detection Using Optimal Ensemble Learning Approach for Cybersecurity  |
| <b>P2425</b> | Predicting Behavior Change in Students With Special Education Needs Using Multimodal Learning Analytics   |
| <b>P2426</b> | DeepSide: A Deep Learning Framework for Drug Side Effect Prediction   |
| <b>P2427</b> | Unsupervised Machine Learning for Managing Safety Accidents in Railway Stations   |

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|              |   |
|--------------|---|
| <b>P2301</b> | Identifying the Gender of Human Cyber Attackers Using Machine Learning Techniques   |
| <b>P2302</b> | Image Enhancement with the Application of Local and Global Enhancement Methods for Dark Images                                      |
| <b>P2303</b> | Artificial Intelligence based Cyber Security Threats Identification in Financial Institutions Using Machine Learning Approach       |
| <b>P2304</b> | Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry   |
| <b>P2305</b> | Forest Fire Detection using CNN-RF and CNN-XGBOOST Machine Learning Algorithms  |
| <b>P2306</b> | An Improved System for Brain Pathology Classification using Hybrid Deep Learning Algorithm  |
| <b>P2255</b> | PredicTour: Predicting Mobility Patterns of Tourists Based on Social Media User's Profiles  |
| <b>P2238</b> | Phishing URL Detection: A Real-Case Scenario Through Login URLs   |
| <b>P2252</b> | A Hybrid Deep Learning Approach for Bottleneck Detection in IoT   |
| <b>P2250</b> | Identifying Health Insurance Claim Frauds Using Mixture of Clinical Concepts  |
| <b>P2235</b> | Malware Detection: A Framework for Reverse Engineered Android Applications through Machine Learning Algorithms                      |
| <b>P2233</b> | Electricity Theft Detection in Smart Grids Based on Deep Neural Network   |
| <b>P2237</b> | Crop Prediction Based on Characteristics of the Agricultural Environment Using Various Feature Selection Techniques and Classifiers |
| <b>P2241</b> | Block Hunter Federated Learning for Cyber Threat Hunting in Blockchain based IIoT Networks  |
| <b>P2239</b> | Machine Learning-Based Analysis of Crypto Currency Market Financial Risk Management   |
| <b>P2231</b> | Detecting and Mitigating the Dissemination of Fake News:Challenges and Future Research Opportunities                                |
| <b>P2220</b> | Fake Profile Identification in Social Network Using Machine Learning and NLP  |
| <b>P2225</b> | Adaptive hierarchical cyber-attack detection and localization in active distribution system   |
| <b>P2226</b> | A Robust Approach for Effective Spam Detection Using Supervised Learning Techniques   |
| <b>P2240</b> | Machine Learning based Iris Recognition Modern Voting System  |
| <b>P2241</b> | Prediction of Air Pollution by using Machine Learning Algorithm   |
| <b>P2242</b> | Machine Learning Approach for Estimation and Novel Design of Stroke Disease Predictions using Numerical and Categorical Feature     |
| <b>P2243</b> | DEA-RNN: A Hybrid Deep Learning Approach for Cyberbullying Detection in Twitter Social Media Platform                               |
| <b>P2244</b> | E-Pilots: A system to predict hard landing during the approach phase of commercial flights  |
| <b>P2245</b> | A Machine Learning-Based Classification and Prediction Technique for DDoS Attacks   |
| <b>P2246</b> | Song Recommendation based on Voice Tone Analysis  |
| <b>P2247</b> | Computer Vision and Machine Learning for Viticulture Technology   |
| <b>P2248</b> | Two-Fold Machine Learning Approach to Prevent and Detect IoT Botnet Attacks   |
| <b>P2249</b> | DeepGrip: Cricket Bowling Delivery Detection with Superior CNN Architectures  |
| <b>P2250</b> | An Expert System for Insulin Dosage Prediction  |
| <b>P2251</b> | Data Poisoning Attacks on Federated Machine Learning  |
| <b>P2252</b> | Influence Based Defense Against Data Poisoning Attacks in Online Learning   |
| <b>P2253</b> | Machine learning for fast and reliable source-location estimation in earthquake early warning                                       |
| <b>P2254</b> | A Deep Learning-Based Approach for Inappropriate Content Detection and Classification of YouTube Videos                             |
| <b>P2255</b> | Prediction Of Used Car Prices Using Artificial Neural Networks And Machine Learning   |

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**CELL: 8977464142, 9581464142**

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|              |  |
|--------------|--|
| <b>P2256</b> | Discover Customers' Gender From Online Shopping Behavior   |
| <b>P2257</b> | WaterNet A Network for Monitoring and Assessing Water Quality for Drinking and Irrigation Purposes                   |
| <b>P2258</b> | Dark-TRACER Early Detection Framework for Malware Activity Based on Anomalous Spatiotemporal Patterns                |
| <b>P2259</b> | Membership Inference Attack and Defense for Wireless Signal Classifiers with Deep Learning                           |
| <b>P2260</b> | A Novel Time-Aware Food Recommender-System Based on Deep Learning and Graph Clustering                               |
| <b>P2261</b> | A Deep Learning-Based Approach for Inappropriate Content Detection and Classification of YouTube Videos              |
| <b>P2262</b> | Comparative Analysis of Liver diseases by using Machine Learning Techniques  |
| <b>P2263</b> | Machine learning for fast and reliable source-location estimation in earthquake early warning                        |
| <b>P2264</b> | A Deep Attentive Multimodal Learning Approach for Disaster Identification From Social Media Posts                    |
| <b>P2265</b> | Dfr-tds a deep learning based framework for robust traffic sign detection under challenging weather conditions       |
| <b>P2266</b> | Predicting Urban Water Quality with Ubiquitous Data  |
| <b>P2267</b> | Composite Behavioural Modelling for Identity Theft Detection in Online Social Networks                               |
| <b>P2268</b> | Sarcasm detection using machine learning   |
| <b>P2269</b> | Groundwater level prediction using hybrid artificial neural network with genetic algorithm                           |
| <b>P2270</b> | Transfer learning based kidney stone detection in patients using resnet50 with medical images                        |
| <b>P2271</b> | Detecting sybil attacks using proofs of work and location in VANETs  |
| <b>P2272</b> | Trustworthiness Assessment of Users in Social Reviewing Systems  |
| <b>P2273</b> | A Comprehensive Survey on Computer Forensics: State-of-the-Art, Tools, Techniques, Challenges, and Future Directions |
| <b>P2274</b> | Automated Vision-based Surveillance System to Detect Drowning Incidents in Swimming Pools                            |
| <b>P2275</b> | You walk we authenticate lightweight seamless authentication based on gait in wearable iot systems                   |
| <b>P2276</b> | Securing pharmaceutical data using homomorphic encryption  |
| <b>P2278</b> | A Forensics Activity Logger to Extract User Activity from Mobile Devices   |
| <b>P2279</b> | Face detection & recognition in organic video: a comparative study for sport celebrities database                    |
| <b>P2280</b> | A Novel Software Engineering Approach Toward using Machine Learning for Improving the Efficiency of Health Systems   |
| <b>P2281</b> | Smart health consulting online system  |
| 1            | Intelligent Video Surveillance Using Deep Learning   |

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|    |  |
|----|--|
| 2  | A Deep Transfer Learning-based Edge Computing Method for Home Health Monitoring                            |
| 3  | A Hybrid Deep Learning Technique for Personality Trait Classification From Text                            |
| 4  | SSLA Based Traffic Sign and Lane Detection for Autonomous cars   |
| 5  | A Time-Frequency Based Suspicious Activity Detection for Anti-Money Laundering                             |
| 6  | IRIS RECOGNITION USING MACHINE LEARNING TECHNIQUE  |
| 7  | Machine Learning and End-to-end Deep Learning for the Detection of Chronic Heart Failure from Heart Sounds |
| 8  | Detection and Isolation of Sensor Attacks for Autonomous Vehicles: Framework, Algorithms, and Validation   |
| 9  | Text And Image Plagiarism Detection  |
| 10 | Anomaly Detection and Attack Classification for Train Real-time Ethernet                                   |
| 11 | Identifying Bone Tumor using X-Ray Images  |
| 12 | Fingerprint based ATM system   |
| 13 | Image Forensic for Digital Image Copy Move Forgery Detection   |
| 14 | Machine Learning Methods for Attack Detection in the Smart Grid  |
| 15 | Analysis and Detection of Autism Spectrum Disorder Using Machine Learning Techniques                       |
| 16 | Person Re-Identification With Reinforced Attribute Attention Selection                                     |
| 17 | Integrating Stacked Sparse Auto-Encoder Into Matrix Factorization for Rating Prediction                    |
| 18 | Deep Learning of Facial Depth Maps for Obstructive Sleep Apnea Prediction                                  |
| 19 | Toward Detection and Attribution of Cyber-Attacks in IoT-enabled Cyber-physical Systems                    |

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|    |   |
|----|---|
| 20 | SyntheticNET: A 3GPP Compliant Simulator for AI Enabled 5G and Beyond                                   |
| 21 | Geo Tracking of Waste and Triggering Alerts and Mapping Areas with High Waste Index                     |
| 22 | An Experimental Study for Software Quality Prediction with Machine Learning Methods                     |
| 23 | A Data Analytics Approach to the Cybercrime Underground Economy   |
| 24 | An Automatic Advisor for Refactoring Software Clones Based on Machine Learning                          |
| 25 | Blockchain Based Certificate Validation   |
| 26 | Application and evaluation of a K-Medoids based shape clustering method for an articulated design space |
| 27 | Local Dynamic Neighborhood Based Outlier Detection Approach and its Framework for Large-Scale Datasets  |
| 28 | Image Forgery Detection Based on Fusion of Lightweight Deep Learning Models                             |
| 29 | Hand Gesture Recognition and Voice Conversion for Deaf and Dumb   |
| 30 | A BI-OBJECTIVE HYPER-HEURISTIC SUPPORT VECTOR MACHINES FOR BIG DATA CYBER-SECURITY                      |
| 31 | Fall Detection For Elderly People Using Machine Learning  |
| 32 | SESV: Accurate Medical Image Segmentation by Predicting and Correcting Errors                           |
| 33 | A Deep Neural Framework for Continuous Sign Language Recognition by Iterative Training                  |
| 34 | Captcha Recognition Using CNN   |
| 35 | Fake detector Effective Fake News Detection With Deep Diffusive Neural Network                          |
| 36 | Stress Detection In IT Professionals By Image Processing And Machine Learning                           |
| 37 | Transfer Learning For Recognizing Face In Disguise  |

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|    |   |
|----|---|
| 38 | Application Research Of Text Classification Based On RandomForestAlgorithm  |
| 39 | Checking Security Properties Of Cloud Service Rest Apis   |
| 40 | An Examination System Automation Using Natural Language Processing  |
| 41 | Applications Of Machine Learning In The Field Of Medical Care   |
| 42 | Interpretable Machine Learning In Healthcare Through GeneralizedAdditive Model With Pairwise Interactions (Ga2m): Predicting Severe Retinopathy Of Prematurity* |
| 43 | Analysis And Prediction Of Cardio Vascular Disease Using Machine Learning Classifiers   |
| 44 | Design Of Restaurant Billing System (E Bill Resto) By Applying Synchronization Of Data Billing In Branch Companies To Main Companies Based On Rest Api          |
| 45 | Building Search Engine Using Machine Learning Technique   |
| 46 | A Study Of Blockchain Technology In Farmer's Portal   |
| 47 | Improving Lives Of Indebted Farmers Using Deep Learning   |
| 48 | Content Analysis Of Messages In Social Networks, Identification OfSuicidal Types  |
| 49 | Crop Yield Prediction Using Machine Learning Techniques   |
| 50 | Text Classification On Twitter Data   |
| 51 | Automated Machine Learning: The New Wave Of Machine Learning  |
| 52 | Scalable Analytics Platform For Machine Learning In Smart Production Systems  |
| 53 | An Application Of A Deep Learning Algorithm For Automatic Detection Of Unexpected Accidents Under Bad Cctv MonitoringConditions In Tunnels                      |
| 54 | End-To-End Conversion Speed Analysis Of An Fpt.Ai-Based Text-To-Speech Application  |



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|    |   |
|----|---|
| 55 | Location Prediction On Twitter Using Machine Learning Techniques                                |
| 56 | Machine Learning For Web Vulnerability Detection: The Case Of Cross-Site Request Forgery        |
| 57 | Artificial Intelligence And Covid-19 Deep Learning Approaches For Diagnosis And Treatment       |
| 58 | Generating Cloud Monitors From Models To Secure Clouds  |
| 59 | Leveraging Cnn And Transfer Learning For Vision-Based Human Activity Recognition                |
| 60 | B5g And Explainable Deep Learning Assisted Healthcare Vertical At The Edge Covid-19 Perspective |
| 61 | Cryptocurrency Price Analysis With Artificial Intelligence                                      |
| 62 | Predicting And Defining B2b Sales Success With Machine Learning                                 |
| 63 | Design And Implementation Of Domestic News Collection System Based On Python                    |
| 64 | Data Analysis By Web Scraping Using Python  |
| 65 | A Lightweight Secure Data Sharing Scheme For Mobile Cloud Computing                             |
| 66 | Semi-supervised machine learning approach for DDoS detection                                    |
| 67 | Attribute-Based Cloud Data Integrity Auditing For Secure Outsourced Storage                     |
| 68 | Automatic Keyword And Sentence-Based Text Summarization For Software Bug Reports                |
| 69 | News Text Summarization Based On Multi-Feature And Fuzzy Logic                                  |
| 70 | Automated Machine Learning Approach For Smart Waste Management System                           |
| 71 | Digital Vehicle – License, Insurance And Rc Book Tracing For Police                             |
| 72 | Securing Data With Blockchain And Ai  |

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|    |  |
|----|--|
| 73 | A Decision Tree Based Recommendation System For Tourists   |
| 74 | You Tube Spam Detection  |
| 75 | Car Popularity Prediction  |
| 76 | Performance Analysis On Student Feedback Using Machine Learning Algorithms   |
| 77 | Diabetes Disease Prediction Using Machine Learning Algorithms  |
| 78 | Crime Type And Occurrence Prediction Using Machine Learning Algorithm  |
| 79 | Image Caption Generator Using Cnn And Lstm   |
| 80 | Predicting Flight Delays With Error Calculation Using Machine Learned Classifiers  |
| 81 | Nse Stock Monitoring & Prediction Using Robotic Process Automation   |
| 82 | Bird Species Identification Using Deep Learning  |
| 83 | Online Depression Detection Application  |
| 84 | Weapon Detection Using Artificial Intelligence And Deep Learning For Security Applications   |
| 85 | Missing Child Identification System Using Deep Learning And Multiclass Svm   |
| 86 | Suspicious Activity Detection  |
| 87 | Deep Learning Applications In Medical Image Analysis-brain tumor   |
| 88 | Classifying Fake News Articles Using Natural Language Processing To Identify In-Article Attribution As A Supervised Learning Estimator |
| 89 | Real Time Object Detection Using Yolo Algorithm  |
| 90 | Context Based Image Processing Using Machine Learning Approaches   |



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|     |   |
|-----|---|
| 91  | A Machine Learning Model For Average Fuelconsumption InHeavyVehicles                            |
| 92  | Detecting Spam Email With Machine Learning Optimized With Bio-Inspired Metaheuristic Algorithms |
| 93  | Eye Ball Cursor Movement Using Opencv   |
| 94  | Spammer Detection and Fake User Identification on Social Networks                               |
| 95  | Helmet Detection And License Plate Recgnozation Using Cnn                                       |
| 96  | E-Assessment Using Image Processing In Exams  |
| 97  | Rainfall prediction using wavelet neural network analysis                                       |
| 98  | Prediction of House Pricing Using Machine Learning with Python                                  |
| 99  | Heart Disease Prediction Using Machine Learning Algorithms                                      |
| 100 | Traffic sign recognition and detection  |
| 101 | Weather Forecasting to prevents a natural clamities   |
| 102 | Converging Blockchain and Machine Learning for Healthcare                                       |
| 103 | An Efficient Spam Detection Technique for IoT Devices Using MachineLearning                     |
| 104 | CREDIT CARD FRAUD DETECTION USING ADABOOST AND MAJORITYVOTING                                   |
| 105 | URBAN STREET CLEANLIENESS ASSESSMENT USING MOBILE EDGE COMPUTING AND DEEP LEARNING              |
| 106 | Network Intrusion Detection for IoT Security based on LearningTechniques                        |
| 107 | Liver Disease Prediction using SVM and Naïve Bayes Algorithms                                   |
| 108 | MODELING AND PREDICTING CYBER HACKING BREACHES  |

## IEEE Python (ML / AI / Block Chain/CYBER SECURITY) Projects List 2023-2024

|     |   |
|-----|---|
| 109 | DATA SECURITY APPROACH ON CYBER CRIME WITH WEBVULNERABILITY   |
| 110 | TOWARD BETTER STATISTICAL VALIDATION OF MACHINE LEARNING-BASED MULTIMEDIA QUALITY ESTIMATORS                                  |
| 111 | Predicting the top-N popular videos via cross-domain hybrid model   |
| 112 | FINDING TRUSTWORTHY SERVICE PROVIDER IN TRUSTED NETWORK   |
| 113 | USE OF ARTIFICIAL NEURAL NETWORKS TO IDENTIFY FAKE PROFILES   |
| 114 | Machine Learning Techniques for Cyber Attacks Detection   |
| 115 | Prediction of Hepatitis Disease Using Machine Learning Technique  |
| 116 | WEB APPLICATION FOR COMMUNITY QUESTION ANSWERING  |
| 117 | ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING MACHINE LEARNING ON TWEETS  |
| 118 | Density based smart traffic control system using Canny edge detection algorithm for congregating traffic information using AI |
| 119 | IMAGE BASED APPRAISAL OF REAL ESTATE PROPERTIES   |
| 120 | A NEW APPROACH FOR COMPLEX ENCRYPTING AND DECRYPTING DATA   |
| 121 | Applied Machine Learning Predictive Analytics to SQL Injection Attack Detection and Prevention                                |
| 122 | Driver Drowsiness Monitoring System using Visual Behaviour and Machine Learning   |
| 123 | WEAKLY-SUPERVISED DEEP EMBEDDING FOR PRODUCT REVIEW SENTIMENT ANALYSIS  |
| 124 | MULTI-TRAFFIC SCENE PERCEPTION BASED ON SUPERVISED LEARNING   |
| 125 | A Data Mining based Model for Detection of Fraudulent Behaviour in Water Consumption  |

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|     |   |
|-----|---|
| 126 | CHARACTERIZING AND PREDICTING EARLY REVIEWERS FOR EFFECTIVE PRODUCT MARKETING ON E-COMMERCE WEBSITES  |
| 127 | Vehicle Pattern Recognition using Machine Deep Learning to Predict CarModel   |
| 128 | Social Network Rumor Diffusion Predication Based on Equal Responsibility Game Model   |
| 129 | An Analysis of Machine Learning Classifiers in Breast Cancer Diagnosis  |
| 130 | A holistic framework for crime prevention, response, and analysis with emphasis on women safety using technology and societal participation |
| 131 | A Personalized Healthcare Monitoring System for Diabetic Patients   |
| 132 | A DEEP LEARNING FACIAL EXPRESSION RECOGNITION BASED SCORING SYSTEM FOR RESTAURANTS  |
| 133 | A Sentiment Analysis System to Improve Teaching and Learning  |
| 134 | Pregbot A system based on ml and NLP for supporting women and family during pregnancy   |
| 135 | DeprNet A Deep Convolution Neural Network Framework for Detecting Depression  |
| 136 | Chronic Kidney Disease Stage Identification in HIV Infected Patients using Machine Learning   |
| 137 | IMPLEMENTATION OF MACHINE LEARNING ALGORITHMS FOR DETECTION OF NETWORK INTRUSION  |
| 138 | Traffic Prediction for Intelligent Transportation System using Machine Learning   |
| 139 | A User-Centric Machine Learning Framework for Cyber Security Operations Center  |
| 140 | Automating E-Government Services With Artificial Intelligence   |
| 141 | Police FIR Management Application   |
| 142 | An Emotion Based Music Player using python  |
| 143 | Real Time Vehicle Detection and Counting Using ML   |

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|     |   |
|-----|---|
| 144 | Human activity recognition using python                                   |
| 145 | Face Mask Detection Application   |
| 146 | Online Railway Reservation Application                                    |
| 147 | Online Food Order Application Using Django                                |
| 148 | Online e-commerce Shopping Application                                    |
| 149 | Student Result Management Application                                     |
| 150 | Face Recognition Based Attendance Application                             |
| 151 | School Library Application  |
| 152 | During Covid-19 Situation Social Distance Detection Application           |
| 153 | Student Result Management Application                                     |
| 154 | College Event Management System   |
| 155 | Students Attendance Management Application                                |
| 156 | Library Management Application using Django                               |
| 157 | Fire Detection using OpenCV   |
| 158 | Face Recognition using YOLO Python  |
| 159 | Inventory Management System   |
| 160 | Handwriting Alphabet and Number Recognition using MachineLearning         |
| 161 | Moving Object and Hand, Finger Counting Detection using FrameDifferencing |

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|     |  |
|-----|--|
| 162 | ROAD LANE LINE DETECTION USING OPENCV                    |
| 163 | Sign to Speech Conversion using Machine Learning         |
| 164 | Brain Stroke Prediction and Analysis of Machine Learning |
| 165 | Car Rental Application                                   |
| 166 | ecommerce Application with Order tracking                |
| 167 | Chess Game in Web Application                            |
| 168 | Laundry Shop Management Application                      |
| 169 | Grocery Point Of Sale Application                        |
| 170 | Django School Management Application                     |

| S.NO         | PROJECT TITLE NAME   |
|--------------|--|
|              | <b>CLOUD COMPUTING</b>   |
| <b>J2101</b> | RACE Resource Aware Cost-Efficient Scheduler for Cloud Fog Environment               |
| <b>J2111</b> | Certificateless public integrity checking of group shared data on cloud storage      |
| <b>J2116</b> | A Statistical Inference Attack on Privacy-Preserving Biometric Identification Scheme |
| <b>J2118</b> | Efficient Auditing Scheme for Secure Data Storage in Fog-to-Cloud Computing          |
| <b>J2125</b> | Dual Access Control for Cloud-Based Data Storage and Sharing                         |
| <b>J2128</b> | An Efficient Ciphertext Index Retrieval Scheme based on Edge Computing Framework     |
| <b>J2129</b> | Efficient Revocable Multi-Authority Attribute-Based Encryption for Cloud Storage     |
| <b>J2131</b> | Pocket Diagnosis: Secure Federated Learning against Poisoning Attack in the Cloud    |
|              | <b>BLOCKCHAIN TECHNOLOGY</b>   |
| <b>J2132</b> | Blockchain Assisted Collaborative Service Recommendation Scheme With Data Sharing    |

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|              |  |
|--------------|--|
| <b>J2133</b> | A Blockchain-based Approach for Drug Traceability in Healthcare Supply Chain               |
| <b>J2134</b> | Data Trust Framework Using Blockchain Technology and Adaptive Transaction Validation       |
| <b>J2135</b> | A Blockchain based Autonomous Decentralized Online Social Network                          |
| <b>J2136</b> | Blockchain Based Accounts Payable Platform for Goods Trade                                 |
| <b>J2138</b> | A Trusted Blockchain-Based Traceability System for Fruit and Vegetable Agricultural        |
| <b>J21</b>   | Design of Secure Authenticated Key Management Protocol for Cloud Computing Environment     |
| <b>J2140</b> | A Proxy Re-Encryption Approach to Secure Data Sharing in the Internet of Things Based on   |
|              | <b>INTERNET OF THINGS(IOT)</b>   |
| <b>J2141</b> | Fast Containment of Infectious Diseases with E-healthcare Mobile Social Internet of Things |
| <b>J2150</b> | Toward Detection and Attribution of Cyber-Attacks in IoT-enabled Cyber-physical Systems    |
|              | <b>DATA MINING</b>   |
| <b>J2154</b> | Personality aware Product Recommendation System based on User Interests Mining and         |
| <b>J2157</b> | Discovering Hidden Topical Hubs and Authorities Across Multiple Online Social Networks     |
| <b>J2161</b> | Query Expansion with Local Conceptual Word Embeddings in Microblog Retrieval               |
| <b>J2164</b> | Enabling Secure and Space-Efficient Metadata Management in Encrypted Deduplication         |
|              | <b>BIG DATA</b>  |
| <b>J2165</b> | Hybrid Recommender System for Tourism Based on Big Data and AI A Conceptual                |
| <b>J21</b>   | A Blockchain-based Approach for Drug Traceability in Healthcare Supply Chain               |
|              | <b>SOCIAL NETWORKS &amp; NETWORKS</b>  |
| <b>J2168</b> | Detecting Mental Disorders in Social Media Through Emotional Patterns The case of Anorexia |
|              |  |

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|                         |   |
|-------------------------|---|
| <b>J2176</b>            | Protecting Your Shopping Preference with Differential Privacy                             |
| <b>J2178</b>            | BullyNet: Unmasking Cyberbullies on Social Networks                                       |
| <b>MOBILE COMPUTING</b> |   |
| <b>J2179</b>            | Privacy Preserving Media Sharing with Scalable Access Control and Secure Deduplication in |
| <b>J21</b>              | A TRUST-BASED AGENT LEARNING MODEL FOR SERVICE COMPOSITION IN MOBILE<br>NMENTS            |

| <b>2020 -2010 JAVA AVAILABLE PROJECTS LIST</b> |               |   |
|--|---------------|---|
| <b>S. N O</b>                                  | <b>P.CODE</b> | <b>PROJECT TITLE NAME</b>   |
| 1  | <b>J2002</b>  | Cashless Society Managing Privacy and Security in the Technological Age   |
| 2  | <b>J2009</b>  | Online Pricing with Reserve Price Constraint for Personal Data Markets  |
| 3  | <b>J2013</b>  | Personalized Long and Short term Preference Learning for Next POI Recommendation  |
| 4  | <b>J2018</b>  | Authentication and Key Agreement Based on Anonymous Identity for Peerto-Peer Cloud  |
| 5  | <b>J2019</b>  | Designing Secure and Efficient Biometric-Based Secure Access Mechanism for Cloud Services                                 |
| 6  | <b>J2022</b>  | Secure Keyword Search and Data Sharing Mechanism for Cloud Computing  |
| 7  | <b>J2024</b>  | Development and Examination of Fog Computing-Based Encrypted Control System.  |
| 8  | <b>J2026</b>  | A Secure and Efficient Cloud-Centric Internet of Medical Things-Enabled Smart Healthcare System with Public Verifiability |
| 9  | <b>J2029</b>  | Identity-Based Encryption Transformation for Flexible Sharing of Encrypted Data in Public Cloud.                          |
| 10   | <b>J2030</b>  | Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing.  |
| 11   | <b>J2035</b>  | Secure Cloud Storage with Data Dynamics Using Secure Network Coding Techniques  |
| 12   | <b>J2036</b>  | Improving Security and Privacy Attribute Based Data Sharing in Cloud Computing  |
| 13   | <b>J2055</b>  | An Efficient Privacy Preserving Message Authentication Scheme for Internet-of-Things                                      |
| 14   | <b>J2023</b>  | A Key-Policy Attribute-Based Temporary Keyword Search scheme for Secure Cloud Storage                                     |
| 15   | <b>J2052</b>  | User Behavior Prediction of Social Hotspots Based on Multi message Interaction and Neural Network                         |
| 16   | <b>J2037</b>  | LEVER Secure Deduplicated Cloud Storage with Encrypted Two-Party Interactions in Cyber-Physical Systems                   |

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## **IEEE Python (ML / AI / Block Chain/CYBER SECURITY) Projects List 2023-2024**

|    |       |   |
|----|-------|---|
| 17 | J2057 | Decentralized Lightweight Group Key Management for Dynamic Access Control in IoT Environments   |
| 18 | J2058 | Secure IoT Data Outsourcing With Aggregate Statistics and Fine- Grained Access Control  |
| 19 | J2074 | Block chain-Based Secure Computation Offloading in Vehicular Networks   |
| 20 | J2025 | Privacy Protection and Intrusion Avoidance for Cloudlet-based Medical Data Sharing  |
| 21 | J2053 | A Trustworthy Privacy Preserving Framework for Machine Learning in Industrial IoT Systems   |
| 22 | J2059 | Benchmarking Image Retrieval Diversification Techniques for Social Media  |
| 23 | J2076 | Secure Channel Free Certificate-Based Searchable Encryption Withstanding Outside and Inside Keyword Guessing Attacks                                    |
| 24 | J2004 | Efficiently Processing Spatial and Keyword Queries in Indoor Venues   |
| 25 | J2038 | Efficient Decentralized Attribute Based Access Control for Mobile Clouds  |
| 26 | J2072 | Crisis-Critical Intellectual Property Findings From the COVID-19 Pandemic   |
| 27 | J2073 | Block chain based Data Storage with Privacy and Authentication in Internet of Things  |
| 28 | J2077 | Detecting and Characterizing Extremist Reviewer Groups in Online Product Reviews  |
| 29 | J2045 | Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic A Case Study on Weibo                                |
| 30 | J2082 | Fake News, Disinformation, and Deepfakes: Leveraging Distributed Ledger Technologies and Blockchain to Combat Digital Deception and Counterfeit Reality |
| 31 | J2008 | Feature-Level Rating System Using Customer Reviews and Review Votes   |
| 32 | J2067 | Detection of Social Network Spam Based on Improved Extreme Learning Machine   |
| 33 | J2027 | Scalable and Secure Big Data IoT System Based on Multifactor Authentication and Lightweight Cryptography  |
| 34 | J1906 | A Practical attribute based document collection Hierarchical Encryption Scheme in Cloud Computing   |
| 35 | J1907 | Crypt-DAC: Cryptographically Enforced Dynamic Access Control in the Cloud   |
| 36 | J1914 | CHARON: A Secure Cloud-of-Clouds System for Storing and Sharing Big Data  |
| 37 | J1920 | An Attribute-Based Controlled Collaborative Access Control Scheme for Public Cloud Storage  |
| 38 | J1924 | Hidden Cipher text Policy Attribute-Based Encryption with Fast Decryption for Personal Health Record System   |
| 39 | J1927 | Privacy-aware Personal Data Storage (P-PDS) Learning how to Protect User Privacy from External Applications   |
| 40 | J1930 | Clustering-Based Collaborative Filtering Using an Incentivized/Penalized User Model   |
| 41 | J1934 | A Hierarchical Attention Model for Social Contextual Image Recommendation   |
| 42 | J1935 | DCCR: Deep Collaborative Conjunctive Recommender for Rating Prediction  |
| 43 | J1939 | Privacy Preserving Searchable Encryption with Fine-grained Access Control   |
| 44 | J1944 | Filtering Instagram hashtags through crowd tagging and the HITS algorithm   |

## IEEE Python (ML / AI / Block Chain/CYBER SECURITY) Projects List 2023-2024

|    |       |  |
|----|-------|--|
| 45 | J1945 | A Hybrid E-learning Recommendation Approach Based on Learners' Influence Propagation         |
| 46 | J1946 | Detecting Pickpocket Suspects from Large-Scale Public Transit Records                        |
| 47 | J1949 | Coverless Information Hiding Method Based on Web Text  |
| 48 | J1953 | SEPTIC Detecting Injection Attacks and Vulnerabilities                                       |
| 49 | J1954 | Detecting Malicious Social Bots Based on Click stream Sequences                              |
| 50 | J1961 | Authentication by Encrypted Negative Password  |
| 51 | J1962 | Retrieving Hidden Friends: A Collusion Privacy Attack Against Online Friend Search Engine    |
| 52 | J1965 | Enabling Efficient and Geometric Range Query With Access Control Over Encrypted Spatial Data |
| 53 | J1966 | Social Network Rumor Diffusion Predication Based on Equal Responsibility Game Model          |

# MSR PROJECTS

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