


PROJECT TOPICS FOR ACADEMIC 2024

DATA ALCOTT SYSTEMS








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Demo video - <http://www.finalsemprojects.com>

<u>Deliverables</u>	<u>Support</u>
1. Source code	Installation & Execution (Online)
2. Documents	Anydesk & Gmeet Support
3. PPTs	100% Execution Support
Journal Preparation / Plagiarism free document preparation support given with extra charges.	

Masters / PG projects Development Support

This List Contains	
	Python Projects
	Machine Learning projects
	Deep Learning projects
	Artificial Intelligence Projects
	Data Science / Data Analytics projects
	IEEE Java Projects
	IEEE NS2 Projects

IEEE - Python Topics

No	Title	Publication
1	A Clinical Decision Support System for Heart Disease Prediction Using Deep Learning	IEEE Access Jun 2023
2	Air Quality Index prediction using machine learning	IEEE access, Jul 2023
3	A Deep Features Extraction Model Based on the Transfer Learning Model and Vision Transformer "TLMViT" for Plant Disease Classification	IEEE access, May 2023
4	A Holistic Approach on Airfare Price Prediction Using Machine Learning Techniques	IEEE Access May 2023
5	A Machine Learning Based Framework for a Stage-Wise Classification of Date Palm White Scale Disease	Big data mining and Analytics Sep 2023
6	A Machine Learning Framework for Early-Stage Detection of Autism Spectrum Disorders	IEEE Access Feb 2023
7	A Novel Approach to Improve Software Defect Prediction Accuracy Using Machine Learning	IEEE Access Jun 2023
8	Detection of Cardiovascular Diseases in ECG Images Using Deep Learning Methods	IEEE transaction of Artificial Intelligence, Apr 2023
9	Diagnosis of Malaria Using Double Hidden Layer Extreme Learning Machine Algorithm With CNN Feature Extraction and Parasite Inflater	IEEE Access Jan 2023
10	Effective Feature Engineering Technique for Heart Disease Prediction With Machine Learning	IEEE access, Jun 2023
11	Fraud Detection in Banking Data by Machine Learning Techniques	IEEE Access Jan 2023
12	Machine Learning Techniques for Sentiment Analysis of COVID-19-Related Twitter Data	IEEE Access Feb 2023
13	Transfer Learning Based Lightweight Ensemble Model for Imbalanced Breast Cancer Classification	IEEE trans Comput biology & Bioinfo, Apr 2023
14	Robust Unsupervised Video Anomaly Detection by Multipath	IEEE Transactions On Neural

	Frame Prediction	Networks And Learning Systems, June 2022
15	A Machine Learning-Based Classification and Prediction Technique for DDoS Attacks	IEEE Access, Mar 2022
16	Design and Development of RNN Anomaly Detection Model for IoT Networks	IEEE Access Jun 2022

Python Machine Learning

No	Title
17	Bitcoin Price Prediction using Machine Learning
18	Fake news detection in social media
19	Credit fraud detection using machine learning
20	Liver disease detection using Neural Networks and SVM classification
21	Detection of phishing attacks using machine learning algorithm
22	Comparison of machine learning approaches for twitter sentiment analysis
23	Heart Disease Prediction using K-NN algorithm and Logistics regression
24	Personality prediction from real-time tweets using Natural language processing
25	Cricket match outcome prediction using Decision Tree and Random Forest
26	Real estate price prediction using machine learning techniques
27	Fake Job prediction using machine learning and testing with real world Indeed dataset
28	Students grade prediction using machine learning techniques
29	Rainfall prediction using Machine Learning and Neural Networks
30	An Internal Intrusion Detection System Using Data Mining Techniques
31	Movie recommendation system using Collaborative filtering techniques
32	Parkinson disease prediction using Multiple Symptoms
33	Stock price prediction using SVM and Random forest algorithm
34	Restaurant recommendation from Yelp dataset using Collaborative Filtering techniques
35	Kidney Disease Prediction using machine learning algorithms
36	User Location prediction on Twitter using machine learning Techniques
37	MusicMood: Predicting the mood of music from song lyrics using machine learning
38	Cricket Team Selection using Data Envelopment Analysis (DEA)

39	Prediction of Benign and Malignant Breast Cancer Using Data Mining Techniques
40	Profit Maximization Mechanism and Data Management For taxi Trip Time Prediction
41	User's Next Location prediction using Machine leaning
42	Landslide prediction using machine learning
43	E-commerce Customer annual spent prediction using machine learning
44	Fake review detection from e-commerce website
45	Twitter Spam Drift detection using YATSI algorithm and machine learning
46	Lung Cancer detection using machine learning
47	Mental Disorder prediction using Machine learning
48	Fake New detection for Tamil Language using Machine learning
49	Fake New detection for Telugu Language using Machine learning
50	Citywide Bike Usage Prediction in a Bike-Sharing System
51	Hateful and Offensive Speech on Twitter - Detection through Machine learning
52	Fault detection in powergrid with hyper tuned machine learning
53	Home credit default study by Hyper parameter tuning on Machine learning models Lasso, Ridge, Random forest and KNN

Python Deep Learning

No	Title
54	Robust Malware Classification from Opcode Dataset
55	Spam Filtering In SMS Using Recurrent Neural Networks
56	Airline prediction and recommendation using ML and DL

Human Computer Interaction (HCI) - Python

No	Title
57	Chatbot system using Intent and Entity
58	Voice Based E-mail System for Visually Impaired
59	Cursor Movement on Object motion

Image / Video / AI Deep Learning - Python

No	Title
60	Abnormal Event Detection in Videos Using Spatiotemporal Autoencoder

51	Handwritten character recognition using OpenCV
62	Human Action Recognition using Deep learning
63	Underwater Image enhancement using deep learning algorithm
64	Grain Quality detection using Deep learning model
65	Tamil character recognition using machine learning techniques
66	Scene text recognition from Images
67	Lung cancer detection using deep learning
68	Malaria Disease Type detection and Classification using Deep learning
69	Skin lesion classification using hybrid deep neural networks
70	Plant Leaf disease detection using deep learning
71	Mango classification using CNN algorithm
72	Content based Image retrieval using K-means algorithm
73	Bird Species Classification through Deep learning VGG16
74	Speech Emotion detection using Deep learning (CNN-algorithm)
75	Handwritten Hindi character recognition using Neural Networks
76	Hindi Audio text extraction (Audio Indexing) and Retrieval
77	Object detection algorithm based on YOLOv3 for vehicle and pedestrian detection
78	Multiple face detection and attendance using Open CV
79	Facial Expression Detection using CNN algorithm
80	Driver Drowsiness and emotion detection using deep learning
81	Face mask and distancing detection for Covid precaution using AI
82	Object detection, tracking and alert system for visually impaired persons
83	Helmet wear detection for ATM security
84	Helmet, Mask and social distance detection for construction sites using AI
85	Fruit Stage Classification using Artificial Intelligence
86	Fruit Quality Detection using Artificial Intelligence
87	Luggage approval for Airport using Machine Learning and Image processing

IEEE - Cloud Computing - Java

No	Title	Publication
88	A Lightweight and Efficient Remote Data Authentication Protocol Over Cloud Storage Environment	IEEE transaction on N/w science and Engg, Feb 2023
89	An Attribute-Based Searchable Encryption Scheme for Cloud-Assisted IIoT	IEEE Internet of things June 2023
90	Blockchain-Based Transparent Integrity Auditing and Encrypted Deduplication for Cloud Storage	IEEE transaction on Service computing, Feb 2023
91	Cloud-Based Intrusion Detection Approach Using Machine Learning Techniques - PYTHON	IEEE Big data and analytics Sep 2023
92	Secure and Efficient Data Deduplication in JointCloud Storage	IEEE transaction on cloud computing
93	Secure and Fine-Grained Flow Control for Subscription-Based Data Services in Cloud-Edge Computing	IEEE transaction on service computing Jun 2023
94	Securing Organization's Data: A Role-Based Authorized Keyword Search Scheme With Efficient Decryption	IEEE transaction on cloud computing, Mar 2023
95	VeriDedup: A Verifiable Cloud Data eduplication Scheme With Integrity and Duplication Proof	IEEE transaction on dependable and secure computing Feb 2023
96	Towards Practical Auditing of Dynamic Data in Decentralized Storage	IEEE transaction on dependable and secure computing Feb 2023
97	An Efficient Identity-Based Provable Data Possession Protocol With Compressed Cloud Storage	IEEE transactions on information forensics and security, vol. 17, 2022
98	An Efficient Privacy-Preserving Public Auditing Protocol for Cloud-Based Medical Storage System	IEEE Journal of Biomedical and health informatics, May 2022
99	Forward Secure Public Key Encryption with Keyword Search for Outsourced Cloud Storage	IEEE Transactions On Cloud Computing, Jan-Mar 2022
100	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-Based Healthcare	IEEE Internet Of Things Journal, Feb 2022

101	Identity-Based Provable Data Possession From RSA Assumption for Secure Cloud Storage	IEEE Transactions On Dependable And Secure Computing, May/June 2022
102	DssP: Efficient Dual-Server Secret Sharing Protocol Based on Password Authentication for Cloud Storage Services	IEEE System Journal, June 2022

IEEE - IoT - Java

No	Title	Publication
103	An Energy-Efficient Multilevel Secure Routing Protocol in IoT Networks	IEEE Internet Of Things Journal, July, 2022
104	Hybrid Cache Management in IoT-Based Named Data Networking	IEEE Internet Of Things Journal, May 2022

IEEE - Blockchain - Java

No	Title	Publication
105	Blockchain-Based Secure Crowdsourcing in Wireless IoT	Journal of Communications and Information Networks, Mar 2022
106	Secure Data Sharing: Blockchain-Enabled Data Access Control Framework for IoT	IEEE Internet Of Things Journal, Jun 2022
107	An Energy-Efficient Data Aggregation Mechanism for IoT Secured by Blockchain	IEEE Access Jan 2022
108	Light-Weight Secure Aggregated Data Sharing in IoT-Enabled Wireless Sensor Networks	IEEE Access, Mar 2022