

PYTHON MAJOR PROJECTS LIST

NEW CONCEPTS

1. Employee System Activity Tracker System
2. Students Activity recognition on Systems in Lab
3. Detecting text language from input image
4. Finding change in events in given video for CCTV security.
5. Automatic sudoku solver using CNN, KNN and AI
6. Vitamin deficiency prediction and food recommendation using Machine Learning.
7. omicron variant sentiment analysis using NLP technique

DEEP LEARNING COMPLEX PROJECTS:

1. Accident Detection Deep learning - **IEEE 2021**
2. Intelligence Embedded Image Caption Generator using LSTM based RNN Model- **IEEE 2021**
3. Non-Binary Image Classification using Convolution Neural Networks Python Project -**IEEE 2021**
4. Fall Detection and Activity Recognition Using Human Skeleton Features- **IEEE 2021**
5. Target-Specific Action Classification for Automated Assessment of Human Motor Behavior from Video – **SCOPUS PAPER**
6. Weed Identification Using Deep Learning and Image Processing in Vegetable Plantation – **IEEE 2021**
7. **Traffic light controlling with reinforcement learning with simulation results**
8. Web Traffic Time Series Forecasting using LSTM

1. Prediction bank reviews and predict rating based on review
2. Forest Fire Prediction using Machine
3. Indian Flight Price Prediction using Machine Learning
4. Extracting Billing Details from bill using Opencv and OCR.
5. Detecting Ship from Satellite images Using Deep Learning
6. Electric vehicle battery voltage current SOC prediction using Deep Learning
7. Quality of Meat assessment using Machine Learning
8. Students' Live behaviour monitoring in online classes using Artificial intelligence
9. Identifying fraudulent activities in E commerce websites using Machine Learning

10. Data analysis and predicting when to Send Mails for Effective Marketing
11. Exploratory Data Analysis on Geolocational Data for restaurants.
12. Data analysis and predicting when to Send Mails for Effective Marketing
13. Automatic attendance using face recognition using deep learning
14. Signatures Matching Using Key point Descriptors
15. Predict of company bankruptcy using Machine Learning
16. Physical Activity Fitness Prediction Using Machine Learning
17. Predicting Energy Usage of Electric Appliances using Machine Learning
18. Spam Or Ham Classification Using Logistic Regression
19. Sentiment Analysis of Customer Feedback on Restaurants
20. Predicting Cyberbullying on social media In The Big Data Era Using Machine Learning Algorithms: Review Of Literature And Open Challenges
21. Four Machine Learning Methods To Predict Academic Achievement Of College Students: A Comparison Study
22. Securing Data with Blockchain and AI
23. Credit Card Fraud Detection Using Random Forest & Cart Algorithm
24. A Machine Learning Framework For Biometric Authentication Using Electrocardiogram
25. [Analysis Of Women Safety In Indian Cities Using Machine Learning On Tweets](#)
26. Fake Account Detection Using Machine Learning And Data Science
27. Detection of Possible Illicit Messages Using Natural Language Processing and Computer Vision on Twitter and Linked Websites
28. Significant Permission Identification For Android Malware Detection
29. Detection Of Cyber Attack In Network Using Machine Learning Techniques
30. Securing Data With Blockchain and AI
31. Credit Card Fraud Detection Using Random Forest & Cart Algorithm
32. A Machine Learning Framework For Biometric Authentication Using Electrocardiogram
33. Analysis Of Women Safety In Indian Cities Using Machine Learning On Tweets
34. Fake Account Detection Using Machine Learning And Data Science
35. Detection of Possible Illicit Messages Using Natural Language Processing and Computer Vision on Twitter and Linked Websites
36. Significant Permission Identification For Android Malware Detection
37. Detection Of Cyber Attack In Network Using Machine Learning Technique

38. Sentiment analysis and prediction on patients tweets in health sector using Machine Learning

NETWORK SECURITY:

1. Cyberattacks Detection in IoT-based Smart City Network Traffic
2. Bat: deep learning method for network intrusion detection using nsl -kdd dataset
3. Anomaly detection in Network Traffic Using Unsupervised Machine Learning Approach.

DISEASE DETECTION:

1. Detecting Lyme disease using Machine Learning CNN

DATA ANALYSIS AND PREDITION

2. Data analysis and predicting when to Send Mails for Effective Marketing
3. Students course completion analysis and performance analysis.
4. Indian Agriculture Trending crop analysis and Prediction of Farmers deaths.
5. 2021 olympics Data analysis on various factors.
6. Analysing Customers Personality for Business Improvement using Machine Learning
7. Worldwide covid vaccination analysis on various factors.
8. Power Distribution Analysis in India using K means Clustering

FOOD:

1. Nutritional Profile Estimation in Cooking Recipes using Restful API

IMAGE PROCESSING:

2. Detecting Active Features in given Image using Scale-invariant feature transform algorithm
3. Feature Extraction of Real-Time Image Using Sift Algorithm

MACHINE LEARNING:

1. Flight Delay Prediction using Multiple Machine Learning Algorithm (Front End WEB SITE).
2. Drinking Water Quality Detection Using Machine Learning Techniques

DEEP LEARNING:

1. Fake Face detection using Deep Learning
2. Physical Activity Fitness Prediction Using

CLOUD COMPUTING MACHINE LEARNING

1. Trust-Based Cloud Machine Learning Model Selection For Industrial IoT and Smart City Services

ADVERTISING:

- 1 User Response Prediction in Online Advertising

ONLINE SHOPPING:

1. Detecting fraud activities in online shopping using machine learning

ARTIFICIAL INTELLIGENCE:

1. Students' Live behaviour monitoring in online classes using Artificial intelligence
2. Touch less notice board for online classes.
3. Touch less television volume control using Opencv.

Data Handling:

- 1 Automatic files (images, document, pdf, videos) organizing in system.

CLOUD COMPUTING

1. A Secure Enhanced Key Policy Attribute Based Temporary Keyword Search Scheme in The Cloud
2. Authentication By Encrypted Negative Password Secure Cloud Storage with Data Dynamics Using Secure Network Coding Techniques

SOURND DATASET RELATED:

1. Heat disease classification using sounds from Digital stethoscope using Machine Learning

ARTIFICIAL INTELLIGENCE:

1. Human motion prediction using LSTM
2. Voice Based Email system using
3. An Automated System to Limit COVID-19 Using Facial Mask Detection in Smart City Network
4. Fire and Gun Violence based Anomaly Detection System Using Deep Neural Networks.
5. Voice based Gender Detection and Online shopping product category classification.
6. Detecting Active Features in given Image using Scale-invariant *feature* transform algorithm.
7. Chatbot application based on User Input using LSTM (hospital, colleges')
8. Hand Gesture detection using AI
9. Human Gender and Emotion detection from live voice recordings using AI.
10. Social Distancing Detection with Deep Learning Model
11. Sewer Pipeline Fault Identification Using Anomaly Detection Algorithms on Video Sequences
12. Automatic detection of answers from OMR Sheet
13. Detecting Impersonators in examination centres.
14. Audio to sign Language Application
15. Voice based chat bot application using NLP

NETWORK SECURITY ANAMOLY DETECTION

1. Anomaly detection in Network Traffic Using Unsupervised Machine Learning Approach.
2. BAT: Deep Learning Methods on Network Intrusion Detection Using NSL-KDD Dataset.

3. Anomaly Detection in Smart Grids using Machine Learning Techniques
4. Fraud Detection in Credit Card Data using Unsupervised Machine Learning Based Scheme.
5. CICIDS-2017 Dataset Feature Analysis With Information Gain for Anomaly Detection.
6. Detect malicious SQL queries via both a blacklist and whitelist approach
7. A Cyberbullying Detection in live chatting Using Machine Learning Techniques.
8. Phishing Email Detection Using Improved Model With Multilevel Vectors and Attention Mechanism.

DATA MINING/NLTK

1. Detecting Matched Resume Profiles based on Requirement using KNN , Fuzzy logic and NLTK.
2. Correlated differential feature selection in machine learning
3. Predict tags on Stack Overflow using Machine Learning
4. Automated Essay Scoring using Machine learning
5. Cricket player performance prediction using SVM Random forest Algorithm

CYBER SECURITY:

- Modeling and Predicting Cyber Hacking Breaches

CRYPTOGRAPHY:

- Implementation and Verification of using Elliptic Curve Cryptography
- Securing cloud data using Hybrid Cryptography.

POWER PREDICTION

1. Solar Energy Forecast Using Machine Learning

DISEASE DETECTION

1. An Efficient IoT-Based Platform for Remote Real-Time Cardiac Activity Monitoring.
2. Image-Based Plant Disease Detection: A Comparison of Deep Learning and Classical Machine Learning Algorithms.
3. Alzheimer Disease Prediction using Machine Learning Algorithms.
4. Heart Disease Identification Method Using Machine Learning Classification in E-Healthcare
5. LSTM-Based Auto-Encoder Model for ECG Arrhythmias Classification
6. Breast cancer detection and algorithm comparison Decision tree and SVM classifiers
7. Automated Prediction of Non Alcoholic Fatty Liver Disease using Machine Learning Algorithms
8. HDPM: An Effective Heart Disease Prediction Model for a Clinical Decision Support System
9. Heart Disease Identification Method Using Machine Learning Classification in E-Healthcare
10. Classification of skin lesions using transfer learning and augmentation with alex-net.
11. Tomato leave disease detection using Deep learning
12. Chronic kidney disease detection using Machine Learning
- 13.

STOCK MARKET

1. Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data; a Comparative Analysis
2. Bitcoin Anomaly Detection using Machine Learning
3. Bitcoin price Prediction using Machine Learning.

AGRICULTURE:

1. Crop Yield Prediction based on Indian Agriculture using Machine Learning

EDUCATION

1. A Machine learning Model for Prediction of Graduate Admissions
2. Students Performance Prediction in Online Courses Using Machine Learning Algorithms
3. Predicting admission acceptance and reject of Universities based on Education data.
4. Analysing campus placements in colleges and predicting changes of placement from features.
5. Fake job recruitment detection Using Machine learning
6. University_Recommendation_System using Machine Learning

VIRTUAL REALITY

16. A Virtual Trial Room using Pose Estimation and Homograph.
17. Virtual Ornaments trial system Using AI

COLLISION DETECTION

1. Smart Edge Healthcare Data Sharing System
2. Path Planning with Improved Artificial Potential Field Method Based on Decision Tree

SOCIAL NETWORKING

1. Modeling and Estimating User Influence in Social Networks
2. Twitter Bot Detection with Reduced Feature Set
3. Detection of Depression-Related Posts in Reddit Social Media Forum
4. Fake News Detection: An Ensemble Learning Approach
5. Detection of Malicious Social Bots Using Learning Automata With URL Features in Twitter Network
6. Defensive Modeling of Fake News Through Online Social Networks

7. FAKEDETECTOR: Effective Fake News Detection with Deep Diffusive Neural Network
8. Spam Review Detection Using the Linguistic and Spammer Behavioral Methods
9. Automatic Hate Speech Detection on Social Media
10. Predicting Chances of User Purchasing From online Shopping Websites

DEEP LEARNING AND IMAGE PROCESSING:

1. Plant Leaf Disease Detection Using CNN
2. Predicting Fashion Products type from Image Using sequential Model
3. Predicting Covid-19 from X-ray Images using VGG16 CNN Algorithm
4. Rice Leaf Disease detection using CNN Model
5. A survey on detection and classification of rice plant diseases
6. Confidence measure guided single image de-raining study image processing
7. Under water image enhancement techniques for benchmark dataset and beyond study and analysis.
8. An Efficient IoT-Based Platform for Remote Real-Time Cardiac Activity Monitoring
9. Soil Classification using Deep Learning
10. Automatic Character Recognition from Live video and Images.
11. Robust Face-Name Graph Matching for Movie Character Identification
12. Detecting quality of Fruits form giving images.
13. Content based image search using CNN algorithm
14. Houser worth prediction from Images Using CNN Machine learning
15. soil classification and crop prediction using machine learning
16. Analysing E-Government services using DeepLearning
17. Houser worth prediction from Images Using CNN Machine learning
18. Flower classification and prediction using CNN
19. COVID 19 Black Fungs prediction from retina Images using CNN
20. Authenticated login with IRIS images by Training using CNN
21. Flower classification and Medical Uses prediction using CNN

MACHINE LEARNING: (complex)

1. Amazon Data Rating Review Analysis and Predicting rating from review using Linear SVM Algorithm.
2. Automatic Disaster Message Classification using Linear Algorithm.

3. Advance Detection of Machine Failure in Automated Industries Using ML Algorithms.
4. A Decision Model for Human Resource Allocation in Project Management of Software Development
5. Detection of Epileptic Seizure Event and Onset Using EEG using Machine Learning
6. Detecting invisible vehicle while driving.
7. Exploratory_Data_Analysis_on_Geolocational_Data
8. Flight Delay Prediction using Machine Learning
9. Farmers buddy soil classification and Crop Prediction Using CNN
10. COVID 19 Black Fungs prediction from retina Images using CNN
11. Flight Delay prediction using Machine Learning
12. Covid 19 Prediction from MRI Images using CNN
13. Cronic kidney disease prediction using Ensemble Learning

DATA ANALYSIS:

1. Analysis of Online Shopping order History and predict Future Orders using SARIMA Model.
2. Analyzing Telecom customers Data for Improving Services.
3. Analyzing satellite images and clustering areas using K-means
4. Time Series Analysis of Sales Data
5. Amazon Data Rating Review Analysis and Predicting rating from review using Linear SVM Algorithm.
6. COVID 19 Data Analysis and Cases Count Prediction using CNN.
7. Analyzing Data to suggest best stream for higher studies.
8. Keyword trend analysis using Google API
9. Human Activity recognition using Machine Learning and comparing multiple algorithms accuracy.

MACHINE LEARNING: (SIMPLE WITH ALGORITHM)

1. Laon data analysis and prediction using K means
2. Classifying and predicting Brest cancer using Decision Tree Algorithm.
3. Liner Regression based student Marks prediction
4. User Ads spending Prediction based on salary using Logistic Regression Algorithm

CLOUD COMPUTING MACHINE LEARNING PROJECTS

1. Long Short Term Memory Recurrent Neural Network (LSTM-RNN) Based Workload Forecasting Model For Cloud Datacentres