

AI and Machine Learning Projects

- 1. AI Speech: Develop a model that converts text to speech using artificial intelligence.
- 2. Hand Digit Recogniser: Create a neural network to recognize handwritten digits.
- 3. **Future Sales Prediction**: Predict future sales based on historical data using machine learning.
- 4. **Pedestrian Detection**: Implement a system that identifies pedestrians in images or video streams.
- Road Lane Detection: Detect and mark lane boundaries on roads from images or video feeds.
- 6. Data Decision Tree: Build decision tree models to aid in making decisions based on data.
- 7. Data Clustering HC: Perform hierarchical clustering to group similar data points.
- 8. Random Forest: Use random forest algorithms for classification and regression tasks.
- 9. **Human Activity Detection and Regression**: Identify and analyze human activities using sensor data.

Predictive Analytics Projects

- 10. Credit Fraud Detection: Detect fraudulent transactions using machine learning techniques.
- 11. **Disease Prediction**: Predict the likelihood of diseases based on patient data.
- 12. Flight Price Prediction: Forecast future flight prices using historical data.
- 13. Weather Forecast: Predict weather conditions using meteorological data.

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- Food Delivery Time Prediction: Estimate delivery times for food orders using historical data.
- 15. **Symptom Prediction**: Predict possible diseases based on input symptoms.
- 16. Crime Prediction Against Women: Predict the likelihood of crimes against women in specific areas.

Sentiment Analysis Projects

- 17. Flipkart Sentiment Analysis: Analyze customer reviews on Flipkart to determine sentiment.
- 18. **Sentiment Analysis (General)**: Assess the sentiment of texts, such as reviews or social media posts.
- 19. Russia vs Ukraine War Sentiment Analysis: Analyze public sentiment regarding the Russia-Ukraine conflict.
- 20. WhatsApp Sentiment Analysis: Evaluate the sentiment in WhatsApp messages or statuses.
- 21. **Twitter Hate Speech Detection**: Detect hate speech in tweets using natural language processing.

Image and Text Processing Projects

- 22. **Image to Text Converter**: Convert images containing text into editable text format using OCR.
- 23. Image Steganography: Hide secret messages within images.
- 24. Image Segmentation Detection: Segment and identify objects within an image.

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Security and Fraud Detection Projects

- 25. Fake SMS Detection: Identify and filter out fraudulent SMS messages.
- 26. Phishing Attack Detection: Detect phishing attacks through analysis of emails or websites.
- 27. SQL Injection Detection: Identify and prevent SQL injection attacks on databases.
- 28. SMS Spam Analysis: Analyze and filter out spam messages from SMS data.
- 29. Fake Currency Detection: Detect counterfeit currency using image processing techniques.
- 30. Fake News Detection: Identify false news articles using machine learning.
- 31. Voter ID Scam Avoidance: Prevent voter ID scams using verification algorithms.

Healthcare and Hospital Management Projects

- 32. Hospital Data Analysis: Analyze and derive insights from hospital data.
- 33. **Hospital Management**: Develop a system to manage hospital operations and patient records.

Data Encryption and Security Projects

- 34. Excel Sheet Encryption: Encrypt and protect Excel sheets to secure sensitive data.
- 35. **GUI of Biometric Detection**: Create a graphical interface for biometric authentication systems.
- 36. Audio Steganography: Conceal information within audio files.
- 37. **Key Logger**: Develop a tool to record keystrokes on a computer.

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38. OTP Generation Through Mail.

- 39. Excel Sheet Encryption: Encrypt and protect Excel sheets to secure sensitive data.
- 40. GUI of Biometric Detection: Create a graphical user interface for a biometric authentication system.
- 41. Image Steganography: Hide secret messages within images.
- 42. Audio Steganography: Conceal information within audio files using steganography techniques.
- 43. IP Location Tracker: Track and identify the geographical location of an IP address.
- 44. Key Logger: Develop a tool that records keystrokes on a computer for monitoring purposes.
- 45. OTP Generation Through Mail: Implement a system to generate and send one-time passwords via email for secure authentication.
- 46. Phone Number Tracker Using Python: Create a tool to trace and locate phone numbers using Python.
- 47. Strong Password Generator Using Tkinter: Design a graphical application using Tkinter to generate strong passwords.
- 48. Two Factor Authentication: Enhance security by implementing a two-factor authentication system.
- 49. Valid Password Generator: Develop a tool that generates strong and valid passwords based on predefined criteria.
- 50. Voter ID Scam Avoidance: Create a system to prevent voter ID scams using verification methods.
- 51. CCTV Object Theft Detection: Implement a system to detect theft or suspicious activities from CCTV footage.
- 52. WhatsApp Sentiment Analysis: Analyze the sentiment of WhatsApp messages or statuses using natural language processing.

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- 53. Twitter Hate Speech Detection: Detect and classify hate speech in tweets.
- 54. Phishing Attack Detection: Identify and prevent phishing attacks through analysis of emails or websites.
- 55. SQL Injection Detection: Develop methods to identify and prevent SQL injection attacks on databases.
- 56. SMS Spam Analysis: Analyze and filter spam messages from SMS data using machine learning.
- 57. Fake Currency Detection: Detect counterfeit currency using image processing techniques.
- 58. Women Safety SOS Alert: Develop an SOS alert system to enhance women's safety in emergency situations.
- 59. Crime Prediction Against Women: Predict potential crimes against women in specific areas using data analysis.
- 60. Image Segmentation Detection: Implement image segmentation techniques to identify and classify objects within images.
- 61. Fake News Detection: Use machine learning to detect and filter false news articles.



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