PYTHON PROJETCS

THE FINAL PROJECTS



Artificial Intelligence & Machine Learning (1–30)

- 1. Fake News Detection using NLP
- 2. Predicting House Prices using Linear Regression
- 3. Credit Card Fraud Detection using Machine Learning
- 4. Parkinson's Disease Detection using XGBoost
- 5. AI Chatbot using NLP
- 6. Spam Email Detection with Naive Bayes
- 7. Handwritten Digit Recognition using CNN
- 8. Image Caption Generator using Deep Learning
- 9. Loan Approval Prediction System
- 10. Face Recognition Attendance System
- 11. Diabetes Prediction using SVM
- 12. Emotion Detection from Text
- 13. Predicting Employee Attrition
- 14. Leaf Disease Detection using CNN
- 15. Personality Prediction using Social Media Data
- 16. AI-Based Personal Finance Advisor
- 17. Twitter Sentiment Analysis using Python
- 18. Custom Voice Assistant
- 19. Job Recommendation System
- 20. Disease Prediction from Symptoms
- 21. Object Detection using YOLOv5

22. Movie Recommendation System
23. Stock Market Prediction using LSTM
24. Student Performance Predictor
25. Breast Cancer Detection using ML
26. Vehicle Price Prediction System
27. Optical Character Recognition using Tesseract
28. Heart Disease Prediction using Logistic Regression
29. Crop Yield Prediction using ML
30. Age & Gender Detection using OpenCV
Web Development with Django/Flask (31–60)
31. Online Resume Builder using Django
32. Blog Website with Admin Panel
33. Online Voting System
34. Django E-commerce Website
35. COVID-19 Tracker Dashboard
36. College Admission Portal

37. Online Event Ticket Booking

38. Flask-based Chat Application

41. Online Learning Management System

39. Notes Sharing Platform

42. News Aggregator Website

43. Django-based Forum Website

40. Job Portal Website

44. Weather App using OpenWeatherMap API
45. Real-Time Currency Converter
46. Personal Portfolio Website
47. Real-Time Polling System
48. To-Do App with User Login
49. Online Course Enrollment Website
50. Django Blog with Commenting System
51. College Management Portal
52. E-Library System using Django
53. Student Grading System
54. Bug Tracking Web App
55. Chatbot Integration in Web App
56. Flask Social Media App
57. Internship Management Portal
58. Blood Donation Web App
59. Food Delivery Website
60. Smart Complaint Management System

Ⅲ Data Science & Analytics (61–90)

- 61. Exploratory Data Analysis on Supermarket Sales
- 62. Visualizing COVID-19 Trends Globally
- 63. Customer Segmentation using K-Means Clustering
- 64. Titanic Survival Prediction
- 65. Data Dashboard using Streamlit

66. Resume Screening with NLP
67. Sales Forecasting using ARIMA
68. Visualizing IPL Stats using Matplotlib
69. Netflix Data Analysis
70. Call Center Data Analytics
71. Market Basket Analysis using Apriori
72. Bank Customer Churn Prediction
73. Retail Sales Performance Analysis
74. E-commerce Review Analysis
75. YouTube Video Statistics Analyzer
76. Student Dropout Predictor
77. Online Retail Customer Insights
78. Instagram Sentiment Analysis
79. Google Play Store App Rating Predictor
80. Air Quality Index Dashboard
81. Product Recommendation using Collaborative Filtering
82. Heartbeat Data Visualization
83. Spotify Data Analysis
84. Text Summarization with NLP
85. Music Genre Classification
86. Airline Delay Prediction
87. Employee Productivity Dashboard
88. Resume Data Insights Generator
89. Stock Correlation Visualizer

90. Bus Occupancy Prediction

% Automation & Utility Tools (91–120)

91. Face M	Mask Detection System
92. YouTu	ube Video Downloader GUI
93. Bulk 1	File Renamer
94. Chat I	PDF Tool using LangChain
95. Email	Automation Script
96. Instag	ram Auto Liker (Selenium)
97. YouTi	ube Transcript Summarizer
98. Task \$	Scheduler App
99. Auton	nated Invoice Generator
100.	Watermark Adder for Images
101.	PDF to Audio Converter
102.	File Organizer by Extension
103.	QR Code Generator & Scanner
104.	Resume Extractor Tool
105.	Desktop Notification App
106.	Auto Form Filling Bot
107.	Language Translator GUI
108.	Python Voice Assistant
109.	Speech to Text Converter
110.	Currency Rate Notifier
111.	Screenshot Taker with Delay

112.	Resume Parser with Spacy
113.	OCR from Invoices
114.	Python Spell Checker
115.	Invoice to Excel Extractor
116.	File Upload Automation Tool
117.	Music Player in Python
118.	GUI Calculator using Tkinter
119.	Automatic Zip File Generator
120.	Desktop Weather Widget

☐ Deep Learning, Vision, IoT & Misc (121–150)

121.	Brain Tumor Detection using CNN
122.	Traffic Sign Recognition using CNN
123.	Real-Time Drowsiness Detection
124.	License Plate Detection System
125.	Dog vs Cat Classifier
126.	Gesture Controlled Media Player
127.	Currency Note Recognition System
128.	Real-Time Object Counting
129.	Virtual Mouse using Hand Gestures
130.	Fire Detection using CNN
131.	AI Based Face Swapping Tool
132.	Masked Face Recognition System
133.	Python IoT Smart Door Lock

134.	Garbage Classification Using Deep Learning
135.	Crowd Counting System
136.	Text Detection from Images
137.	Blind Assistant with Object Detection
138.	AI-Powered Attendance Tracker
139.	Smart CCTV Monitoring System
140.	Auto Number Plate Detection
141.	AI-Driven Game Bot
142.	Pneumonia Detection from X-rays
143.	Image Colorization using Deep Learning
144.	Sketch to Image Generator
145.	Face Morphing using OpenCV
146.	Plant Leaf Classification
147.	Solar Power Monitor with Python + IoT
148.	Real-Time AI Fitness Trainer
149.	Eye Movement Tracker
150.	Barcode Scanner with Database Lookup