Most Frequent Machine Learning Projects & Basic ML Ideas

30 Most Frequent ML Projects

1. House Price Prediction
2. Stock Price Prediction
3. Customer Churn Prediction
4. Credit Card Fraud Detection
5. Sentiment Analysis (Social Media/Reviews)
6. Fake News Detection
7. Spam Email Detection
8. Recommendation Systems (Movies, Products, etc.)
9. Handwritten Digit Recognition (MNIST)
10. Heart Disease Prediction
11. Loan Approval Prediction
12. Employee Attrition Prediction
13. E-commerce Sales Forecasting
14. Traffic Prediction & Optimization
15. Face Recognition System
16. Chatbot Development (AI Assistants)
17. Text Summarization & NLP Applications
18. Autonomous Driving Simulation (Self-driving Cars)
19. Crop Yield Prediction (Agriculture ML)
20. Energy Consumption Forecasting
21. Anomaly Detection in Cybersecurity
22. Speech Recognition Systems
23. Music Genre Classification
24. Pose Detection & Human Activity Recognition
25. Weather Forecasting using ML
26. Personalized Diet Recommendation System
27. Medical Image Classification (X-ray, MRI, etc.)
28. Retail Demand Forecasting
29. Air Pollution Prediction
30. AI-Powered Resume Screening

Basic ML Project Ideas for Beginners

- Predicting student grades based on past performance
- Classifying animals in images
- Identifying different types of flowers using image data
- Predicting restaurant ratings from customer reviews
- Spam detection using simple ML classifiers