ML DL AI PROJECTS 2025 - 26

1. Real-time Emotion Recognition in Video Calls Using Multimodal Transformers
2. Few-shot Learning for Rare Disease Diagnosis from Medical Images
3. Personalized Nutritional Recommendation System with Vision-Language Models
4. Self-supervised Audio-Visual Representation Learning for Content Moderation
5. Federated Learning Framework for Privacy-Preserving Healthcare Analytics
6. Explainable AI System for Financial Investment Decision-Making
7. Synthetic Data Generation for Autonomous Vehicle Edge Cases
8. Multimodal Large Language Model for Sustainable Urban Planning
9. Reinforcement Learning from Human Feedback for Task Automation
10. Zero-shot Cross-lingual Transfer for Low-resource Languages
11. Conversational AI Agent for Mental Health Support with Safety Guardrails
12. Graph Neural Networks for Drug Discovery and Molecular Design
13. Time Series Forecasting for Renewable Energy Grid Integration
14. Domain-Specific Language Model Fine-tuning for Legal Document Analysis
15. Contrastive Learning for Satellite Imagery Change Detection
16. Multilingual Code Generation Assistant with Reinforcement Learning
17. Neural Radiance Fields for Medical Imaging Reconstruction
18. Anomaly Detection in Industrial IoT Systems Using Self-supervised Learning
19. Vision-Language Models for Biodiversity Monitoring from Camera Traps
20. Transformer-based Models for Long-term Climate Prediction
21. Multi-agent Reinforcement Learning for Supply Chain Optimization
22. Domain Adaptation for Cross-cultural Sentiment Analysis
23. Neural Architecture Search for Energy-efficient Edge Deployments
24. Knowledge Distillation from Large to Small Language Models
25. Bias Mitigation in Recruitment AI Systems
26. Diffusion Models for Medical Image Synthesis and Enhancement
27. Text-to-SQL for Natural Language Database Querying
28. Unsupervised Anomaly Detection in Financial Transactions

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29. Multimodal Learning for Sign Language Translation
30. Neuro-symbolic AI for Complex Reasoning Tasks
31. Language Models for Automated Scientific Discovery
32. Transformer-based Models for Real-time Traffic Prediction
33. Visual Question Answering for Educational Content
34. Adversarial Robustness in Critical Infrastructure Systems
35. Document Layout Analysis for Historical Manuscript Preservation
36. Self-supervised Learning for 3D Point Cloud Understanding
37. Continual Learning Systems for Industrial Robots
38. Retrieval-Augmented Generation for Fact-checked Content Creation
39. Large Language Models for Automatic Code Optimization
40. Privacy-preserving Machine Learning for Healthcare Data Sharing
41. Audio-Visual Speech Recognition in Noisy Environments
42. Reinforcement Learning for Energy-efficient Smart Building Management
43. Transformer Models for Cybersecurity Threat Detection
44. Causal Inference Methods for Personalized Medicine
45. Few-shot Learning for Rare Language Translation
46. Trustworthy AI Systems with Human-in-the-loop Verification
47. Generative Models for Virtual Fashion Design and Try-on
48. Multimodal Learning for Early Disaster Detection from Social Media
49. Language Model Reasoning with External Knowledge Bases
50. Interpretable Deep Learning for Climate Change Impact Assessment
51. Traffic Sign Board Recognition and Voice Alert System using Convolutional Neural Network
52. Detecting and Characterizing Extremist Reviewer Groups in Online Product Reviews
53. Rice Leaf Diseases Classification Using CNN With Transfer Learning
54. Diabetes Disease Prediction Using Machine Learning Algorithms
55. CRIME Type and Occurrence Prediction Using Machine Learning Algorithm
56. Red Wine Quality Prediction Using Machine Learning Techniques
57. Predicting the student performance by using machine learning algorithms
58. Predicting potential drug abusers using machine learning techniques

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59. A Systematic Review of Predicting Elections Based on Social Media Data
60. Naïve Bayes Classifier for Predicting the Novel Coronavirus:
61. Potato Disease Detection Using Machine Learning:
62. Classification of Malaria-Infected Cells using Convolutional Neural Networks
63. Diabetic Retinopathy Detection by means of Deep Learning:
64. Melanoma Detection Using Convolutional Neural Network:
65. Real-Time Drowsiness and fog Identification based on Eye State Analysis:
66. Comparison of Deep Learning Algorithms for Predicting Crime Hotspots
67. Phishing web sites features classification based on extreme learning machine:
68. Classification of Cancerous Profiles Using Machine Learning
69. Object Detection, convert object name to text and text to speech:
70. Parkinson Disease Detection Using Deep Neural Networks:
71. Feature Extraction and Classification of Chest X-Ray Images Using CNN to Detect Pneumonia:
72. Bird Species Identification using Neural networks:
73. A deep learning approach for Detection of Alzheimer's Disease Using Analysis of Hippocampus Region from MRI Scan:
74. Paddy crop disease detection using machine learning
75. Breast cancer detection in digital mammograms:
76. Weather prediction summery using machine learning Algorithms:
77. Evaluation of machine learning models for employee churn prediction:
78. COVID-19 Future Forecasting Using Supervised Machine Learning Models:
79. Feature-Level Rating System Using Customer Reviews and Review Votes:
80. Skin cancer prediction using Cnn.(Convolutional neural networks)
81. Multiclass Prediction Model for Student Grade Prediction Using Machine Learning:
82. Classification of Cancerous Profiles Using Machine Learning:
83. Bitcoin price prediction using machine learning
84. An Approach for Prediction of Loan Approval using Machine LearningAlgorithm:
85. Real-Time Smart Attendance System using Face Recognition Techniques.
86. Prediction of House Pricing using Machine Learning with Python
87. Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry:

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88. Forest fire prediction system based on Transfer Learning
89. Prediction of Liver Diseases Based on Machine Learning Technique:
90. Prediction of loan status in commercial bank using machine learning classifier:
91. A benchmark study on time series clustering
92. Deep pose Human Pose Estimation via Deep Neural Networks
93. Deeply Learned Classifiers for Age and Gender Predictions of Unfiltered Faces
94. Detection and Prediction of Air Pollution using Machine Learning Models
95. Fake Job Recruitment Detection Using Machine Learning Approach
96. Fake News Stance Detection Using Deep Learning Architecture CNN-LTSM
97. Radial-Based Oversampling for Multiclass Imbalanced Data Classification
98. Stock Market Prediction Using Machine Learning
99. TSE: A Two-Stage End-to-End CNN for Human Activity Recognition
100. Tomato Leaf Disease Detection using CNN
101. Predicting Academic Performance of Student Using Classification Techniques
102. Comparative Study of K-Means Clustering Using Iris Data Set for Various Distances
103. Machine Learning based Rainfall Prediction
104. Movie Recommendations Using the Deep Learning Approach
105. Face Mask Detection using Transfer Learning of InceptionV3
106. Automated Attendance System Using Open CV
107. Real-time Credit Card Fraud Detection Using ML
108. Multi-Trafficscence Perception Based On Supervised Learning
109. Features Importance Analysis for Emotional Speech Classification
110. Flight Delay Prediction Based on Aviation Big Data and Machine Learning
111. SACPC: A framework based on probabilistic linguistic terms for short text sentiment analysis
112. Classification and prediction of Orthopedic disease based on lumber and pelvic state of patients
113. Heart Disease Identification Method Using Machine Learning Classification in E-Healthcare
114. Air Quality Prediction Of Data Log By Machine Learning
115. Malaria Detection using Deep Learning

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117. Behavioral Features for Mushroom Classification
118. Parkinson Disease Detection Using Deep Neural Networks
119. Detection of Stroke Disease using Machine learning algorithms
120. A Survey on NLP based Text Summarization for Summarizing Product Reviews
121. Deep Convolution Neural Network for Big Data medical image classification
122. Detection of Rice Leaf Diseases Using image processing
123. Review of Brain Tumor Detection Concept using MRI images
124. The Extreme Learning Machine Algorithm for Classifying Fingerprints
125. A Survey on machine learning techniques for the diagnosis of liver disease
126. Solving Onion Market Instability by Forecasting Onion Price Using Machine Learning Approach
127. End-to-End Image Super-Resolution via Deep and Shallow Convolution Networks
128. Traffic Sign Board Recognition and Voice Alert System using Convolutional Neural Network
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