

MACHINE LEARNING PROJECTS
THE FINAL PROJECTS

1. Detecting Drivers' Drowsiness using Haar-Cascade Classifier
2. Detection of Dangerous Web Pages Based on Analysis of Suicidal Content
3. Predicting Divorce Likelihood in Couples
4. Diagnosis of Chronic Kidney Disease Using Classification Algorithms
5. Crop Yield Prediction with Water and Fertilizer Recommendation (Indian Agriculture)
6. Heart Disease Identification in E-Healthcare
7. Email Spam Detection
8. Offensive Language Detection in Social Media
9. Handling Missing Data to Improve Model Generalization
10. Multiple Imputation in Obesity Dataset Using Chained Equations
11. Loan Approval Prediction
12. Deep Neural Network Model for Iris Classification
13. Machine Learning for Optimizing Energy Consumption in Smart Cities
14. Comparative Study of Algorithms for House Price Prediction
15. Sentiment Analysis Using Machine Learning
16. Personalized Movie Recommendation System
17. Flask-Based Web App for Breast Cancer Prediction
18. Intelligent Hotel Recommendation System
19. Analysis of Anti-Vaccination Trends Using ML
20. Gold Price Forecasting
21. Standardization of Rainfall Prediction
22. Weather Forecasting Using ML
23. Bitcoin Price Prediction Using Real-Time Data
24. Malaria Parasite Detection with Classifiers
25. SDN Intrusion Detection Methods
26. Automated Detection of Polycystic Ovary Syndrome (PCOS)
27. Effective Heart Disease Prediction Techniques
28. Improved Parkinson's Disease Prediction Using ML
29. Fake News Detection
30. Suicide Ideation Detection in Social Media Messages

31. Real-Time PM2.5 Air Pollution Analysis
32. Early-Stage Alzheimer’s Disease Prediction
33. Predicting Student Academic Success
34. Wine Quality Prediction Using Classification
35. Wind Speed Forecasting Using Data-Driven ML
36. Detection of Fake Bank Currency
37. Improved Malware Detection Schemes
38. Phishing Website Detection and Prevention
39. Automated Timetable Generation Using Genetic Algorithm
40. Water Quality Parameter Prediction
41. Flask-Based Breast Cancer Prediction (<i>Repeated Title</i>)
42. Mobile Price Dataset Classification and Prediction

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43. Machine Learning for Predicting Urban Traffic Congestion Patterns
44. AI-Powered Detection of Diabetic Retinopathy Using Retinal Images
45. Predictive Analytics for Reducing Hospital Readmission Rates
46. Optimizing Supply Chain Logistics with Reinforcement Learning
47. Early Detection of Autism Spectrum Disorder Using ML Models
48. Forecasting Stock Market Volatility with LSTM Networks
49. Machine Learning Techniques for Fraud Detection in Online Transactions
50. Enhancing Cybersecurity with Anomaly-Based Intrusion Detection Systems
51. Deep Learning for Real-Time Sign Language Recognition
52. Predicting Customer Churn in Subscription-Based Services
53. ML-Driven Optimization of Renewable Energy Grids
54. Automated Skin Cancer Diagnosis Using Convolutional Neural Networks
55. Machine Learning for Optimizing Ride-Sharing Platforms
56. AI-Powered Analysis of Consumer Sentiment on E-commerce Platforms

57. Predicting Airline Delay Patterns Using Historical Flight Data
58. Machine Learning for Enhancing Precision in Robotic Surgery
59. Detecting Credit Card Fraud with Advanced ML Algorithms
60. Real-Time Object Detection for Autonomous Drones
61. Predicting Employee Attrition in Corporate Environments
62. Machine Learning for Personalized Nutritional Recommendations
63. AI-Based Forecasting of Solar Energy Production
64. Using NLP for Automated Contract Analysis and Risk Assessment
65. Machine Learning for Predicting Earthquake Aftershocks
66. Deep Learning Models for Early Detection of Lung Cancer
67. Optimizing Retail Inventory Management with Predictive Analytics
68. AI-Driven Optimization of Manufacturing Processes
69. Predicting Judicial Decisions Using Legal Text Mining
70. Machine Learning for Detecting Counterfeit Products
71. Forecasting Ocean Wave Heights for Maritime Safety
72. Real-Time Facial Emotion Recognition for Mental Health Monitoring
73. AI-Powered Drug Discovery and Molecular Design
74. Machine Learning for Predicting User Engagement on Social Media
75. Detecting Illegal Wildlife Trade Using AI and Image Recognition
76. ML-Based Prediction of Soil Erosion in Agricultural Landscapes
77. Optimizing Fleet Management with Predictive Maintenance Models
78. Predicting Voter Turnout Using Socioeconomic Data
79. Machine Learning for Detecting Bias in Hiring Practices

80. AI-Driven Optimization of Public Transportation Routes
81. Forecasting Disease Outbreaks Using Social Media Data
82. Real-Time Gesture Recognition for Smart Home Devices
83. Machine Learning for Predicting Failure in Industrial Machinery
84. AI-Based Enhancement of Satellite Image Resolution
85. Predicting Academic Dropout Rates in Higher Education
86. Machine Learning for Detecting Insider Trading in Financial Markets
87. Optimizing Water Distribution Networks with AI Models
88. AI-Powered Analysis of Music Trends for Record Labels
89. Machine Learning for Automating Legal Document Summarization
90. Forecasting Wildfire Spread with Geospatial Data
91. Real-Time Speech-to-Text Conversion for Multilingual Communication
92. Predicting Consumer Preferences for Fashion E-commerce

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93. AI-Powered Prediction of Crop Diseases Using Drone Imagery
94. Machine Learning for Optimizing Energy Consumption in Smart Cities
95. Detecting Fake Profiles on Social Networking Platforms
96. Forecasting Space Weather Using Solar Activity Data
97. Real-Time Translation of Sign Language to Text
98. Predicting Loan Default Risk with Explainable AI Models
99. Machine Learning for Enhancing Customer Support Chatbots
100. AI-Based Forecasting of Urban Population Growth
101. Detecting Structural Damage in Buildings Using Vibration Data

102.	Optimizing Ad Campaigns with Predictive Click-Through Rates
103.	Machine Learning for Early Detection of Osteoporosis
104.	AI-Driven Analysis of Sports Performance Metrics
105.	Predicting Consumer Behavior in E-commerce Platforms
106.	Deep Learning for Detecting Deepfake Videos
107.	Machine Learning for Predicting Real Estate Market Trends
108.	AI-Based Optimization of Traffic Light Timing
109.	Forecasting Deforestation Rates Using Satellite Imagery
110.	Real-Time Detection of Driver Fatigue in Autonomous Vehicles
111.	Predicting Hospital Bed Occupancy During Pandemics
112.	Machine Learning for Personalized Fitness Recommendations
113.	AI-Powered Detection of Counterfeit Pharmaceuticals
114.	Forecasting Sea Level Rise Using Climate Data
115.	Machine Learning for Detecting Plagiarism in Academic Papers
116.	Optimizing Cloud Resource Allocation with Reinforcement Learning
117.	Predicting Movie Box Office Success Using Social Media Buzz
118.	AI-Driven Enhancement of Low-Resolution Medical Images
119.	Machine Learning for Predicting Soil Moisture Levels
120.	Real-Time Monitoring of Industrial Worker Safety
121.	Forecasting Retail Sales with Seasonal Demand Patterns
122.	Detecting Phishing URLs Using Natural Language Processing
123.	Machine Learning for Predicting Student Dropout Rates in K-12 Education

124.	AI-Based Analysis of Historical Artifacts Using Image Recognition
125.	Optimizing Airline Fuel Consumption with Predictive Models
126.	Predicting Crime Hotspots in Urban Areas
127.	Machine Learning for Enhancing Virtual Reality Experiences
128.	AI-Driven Forecasting of Commodity Prices
129.	Detecting Toxic Content in Online Gaming Communities
130.	Machine Learning for Predicting Water Contamination Levels
131.	Real-Time Emotion Detection in VoIP Calls
132.	Forecasting Tourism Demand for Hotel Revenue Management
133.	AI-Powered Identification of Rare Bird Species
134.	Machine Learning for Automating Legal Case Summarization
135.	Predicting the Lifespan of Electronic Devices
136.	AI-Based Optimization of Supply Chain Inventory
137.	Detecting Unauthorized Access in IoT Networks
138.	Machine Learning for Predicting Coastal Erosion
139.	Real-Time Gesture-Based Control for Smart TVs
140.	Forecasting Oil Prices Using Geopolitical Data
141.	AI-Driven Analysis of Mental Health Trends on Social Media
142.	100.Machine Learning for Detecting Bias in News Articles

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143.	AI-Powered Detection of Sarcasm in Social Media Posts
144.	Machine Learning for Predicting Urban Heat Island Effects
145.	Optimizing Delivery Routes for Food Delivery Services

146.	Real-Time Detection of Spoofed Biometric Data
147.	Forecasting Renewable Energy Adoption Rates
148.	Predicting Consumer Preferences for Electric Vehicles
149.	AI-Driven Analysis of Historical Climate Patterns
150.	Machine Learning for Detecting Bias in Job Descriptions
151.	Enhancing Voice Assistants with Context-Aware Responses
152.	Predicting the Impact of Policy Changes on Economic Growth
153.	Deep Learning for Real-Time Lip Reading
154.	Machine Learning for Optimizing Airline Seat Pricing
155.	AI-Based Forecasting of Refugee Migration Patterns
156.	Detecting Unauthorized Drone Activity in Restricted Zones
157.	Predicting the Success of Crowdfunding Campaigns
158.	Machine Learning for Personalized Travel Itineraries
159.	AI-Powered Optimization of Water Desalination Plants
160.	Forecasting the Spread of Invasive Plant Species
161.	Real-Time Detection of Cyberbullying in Online Platforms
162.	Machine Learning for Predicting Customer Lifetime Value
163.	AI-Driven Analysis of Artistic Styles in Paintings
164.	Predicting the Lifespan of Bridges Using Structural Data
165.	Machine Learning for Enhancing Virtual Try-On Experiences
166.	Optimizing Agricultural Irrigation Systems with Predictive Models
167.	Forecasting the Impact of Natural Disasters on Infrastructure
168.	Real-Time Monitoring of Air Quality in Urban Areas

169.	AI-Powered Detection of Counterfeit Fashion Products
170.	Machine Learning for Predicting Employee Productivity
171.	Detecting Misinformation in Health-Related Content
172.	Forecasting Demand for Ride-Sharing Services
173.	AI-Driven Optimization of Waste Management Systems
174.	Machine Learning for Predicting Loan Repayment Behavior
175.	Real-Time Emotion Recognition in Video Calls
176.	Predicting the Success of Startup Companies
177.	AI-Based Forecasting of Ocean Current Patterns
178.	Machine Learning for Detecting Bias in News Headlines
179.	Optimizing Retail Store Layouts with Customer Flow Analysis
180.	Forecasting the Impact of Climate Change on Agriculture
181.	AI-Powered Detection of Counterfeit Electronics
182.	Machine Learning for Predicting User Engagement in Mobile Apps
183.	Real-Time Translation of Regional Dialects
184.	Predicting the Risk of Landslides Using Geospatial Data
185.	AI-Driven Optimization of Hospital Resource Allocation
186.	Machine Learning for Detecting Plagiarism in Code Submissions
187.	Forecasting the Impact of Tax Reforms on Small Businesses
188.	Real-Time Detection of Anomalies in Power Grids
189.	AI-Powered Prediction of Sports Injury Risks
190.	Machine Learning for Personalized Career Recommendations
191.	Optimizing E-commerce Search Results with User Behavior Data

192.	Forecasting the Impact of Social Policies on Crime Rates
193.	AI-Powered Detection of Bias in Social Media Algorithms
194.	Machine Learning for Predicting Urban Noise Pollution Levels
195.	Real-Time Prediction of Traffic Accidents Using Sensor Data
196.	Forecasting the Adoption of Electric Scooters in Cities
197.	AI-Driven Analysis of Historical Manuscripts
198.	Machine Learning for Detecting Fake Artwork Using Image Recognition
199.	Optimizing Drone Delivery Routes with Reinforcement Learning
200.	Predicting the Impact of Vaccination Campaigns on Disease Spread
201.	AI-Based Forecasting of Refugee Camp Resource Needs
202.	Machine Learning for Enhancing Virtual Interview Platforms
203.	Real-Time Monitoring of Deforestation Using Satellite Imagery
204.	Forecasting the Success of Music Albums Using Streaming Data
205.	AI-Powered Detection of Unauthorized Access in Smart Homes
206.	Machine Learning for Predicting Consumer Preferences in Fashion
207.	Optimizing Energy Storage Systems with Predictive Analytics
208.	Detecting Fraudulent Activities in Online Auctions
209.	AI-Driven Optimization of Public School Resource Allocation
210.	Machine Learning for Predicting Soil Nutrient Levels
211.	Real-Time Detection of Stress in Voice Calls
212.	Forecasting the Impact of Trade Policies on Global Markets
213.	AI-Powered Analysis of Historical Weather Patterns
214.	Machine Learning for Personalized Diet Recommendations
215.	Predicting the Risk of Building Collapse During Earthquakes
216.	Optimizing Retail Pricing Strategies with Dynamic Models
217.	AI-Based Forecasting of Renewable Energy Adoption in Rural Areas
218.	Machine Learning for Detecting Counterfeit Luxury Goods
219.	Real-Time Detection of Spoofed GPS Signals
220.	Forecasting the Impact of Climate Change on Coastal Cities
221.	AI-Driven Optimization of Water Purification Plants
222.	Machine Learning for Predicting Employee Burnout
223.	Detecting Bias in AI Models Using Explainable AI Techniques
224.	Forecasting the Success of Crowdsourced Innovation Projects
225.	AI-Powered Analysis of Historical Architectural Styles

226.	Machine Learning for Enhancing Virtual Fitness Classes
227.	Real-Time Detection of Anomalies in Railway Systems
228.	Predicting the Lifespan of Wind Turbines Using Operational Data
229.	AI-Driven Optimization of Hospital Emergency Room Operations
230.	Machine Learning for Detecting Plagiarism in Research Papers
231.	Forecasting the Impact of Housing Policies on Urban Development
232.	Real-Time Translation of Endangered Languages
233.	AI-Powered Detection of Counterfeit Medical Devices
234.	Machine Learning for Predicting Customer Satisfaction in Airlines
235.	Optimizing Supply Chain Resilience with Predictive Models
236.	Forecasting the Impact of Social Media Trends on Brand Reputation
237.	AI-Driven Analysis of Wildlife Migration Patterns
238.	Machine Learning for Personalized Financial Planning
239.	Real-Time Detection of Cyber Threats in IoT Networks
240.	Predicting the Risk of Flooding in Urban Areas
241.	AI-Powered Optimization of Agricultural Crop Rotation
242.	Machine Learning for Detecting Bias in Recruitment Ads
243.	AI-Powered Detection of Bias in News Recommendations
244.	Machine Learning for Predicting Urban Air Pollution Levels
245.	Real-Time Prediction of Traffic Congestion Using IoT Sensors
246.	Forecasting the Adoption of Smart Home Devices in Households
247.	AI-Driven Analysis of Historical Artifacts Using 3D Scanning
248.	Machine Learning for Detecting Fake Reviews on E-commerce Platforms
249.	Optimizing Drone Swarms for Search-and-Rescue Operations
250.	Predicting the Impact of Social Media Campaigns on Brand Awareness
251.	AI-Based Forecasting of Refugee Migration Routes
252.	Machine Learning for Enhancing Virtual Onboarding Platforms
253.	Real-Time Monitoring of Illegal Fishing Activities Using Satellite Data
254.	Forecasting the Success of Video Game Releases Using Pre-Order Data
255.	AI-Powered Detection of Unauthorized Access in Autonomous Vehicles
256.	Machine Learning for Predicting Consumer Preferences in Electronics
257.	Optimizing Energy Consumption in Data Centers with Predictive Models
258.	Detecting Fraudulent Activities in Peer-to-Peer Lending Platforms
259.	AI-Driven Optimization of School Bus Routing Systems
260.	Machine Learning for Predicting Soil Erosion Risk

261.	Real-Time Detection of Stress in Written Communication
262.	Forecasting the Impact of Trade Agreements on Local Economies
263.	AI-Powered Analysis of Historical Climate Anomalies
264.	Machine Learning for Personalized Exercise Recommendations
265.	Predicting the Risk of Bridge Collapse Due to Structural Fatigue
266.	Optimizing Retail Inventory Levels with Demand Forecasting
267.	AI-Based Forecasting of Solar Panel Efficiency in Urban Areas
268.	Machine Learning for Detecting Counterfeit Watches
269.	Real-Time Detection of Spoofed Biometric Fingerprints
270.	Forecasting the Impact of Rising Sea Levels on Coastal Infrastructure
271.	AI-Driven Optimization of Water Treatment Plants
272.	Machine Learning for Predicting Employee Turnover in Startups
273.	Detecting Bias in AI-Generated Content Using Explainable AI
274.	Forecasting the Success of Open-Source Software Projects
275.	AI-Powered Analysis of Architectural Trends in Urban Development
276.	Machine Learning for Enhancing Virtual Team Collaboration Tools
277.	Real-Time Detection of Anomalies in Power Transmission Lines
278.	Predicting the Lifespan of Solar Panels Using Environmental Data
279.	AI-Driven Optimization of Hospital Appointment Scheduling
280.	Machine Learning for Detecting Plagiarism in Blog Articles
281.	Forecasting the Impact of Housing Policies on Rental Markets
282.	Real-Time Translation of Indigenous Languages
283.	AI-Powered Detection of Counterfeit Automotive Parts
284.	Machine Learning for Predicting Customer Satisfaction in Hotels
285.	Optimizing Supply Chain Logistics with Predictive Maintenance
286.	Forecasting the Impact of Social Media Influencers on Consumer Behavior
287.	AI-Driven Analysis of Bird Migration Patterns
288.	Machine Learning for Personalized Investment Strategies
289.	Real-Time Detection of Cyber Threats in Cloud Networks
290.	Predicting the Risk of Landslides in Mountainous Regions
291.	AI-Powered Optimization of Agricultural Fertilizer Usage
292.	Machine Learning for Detecting Bias in Insurance Pricing

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