500

Machine Learning

Projects

Real World Projects

A curated list of ML Projects gathered from the internet.

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GitHub:
https://github.com/hemansnation/Data-Science-ML-Full-Stack/tree/master/projects

1. Customer Segmentation
2. Breast Cancer Detection
3. Car And Pedestrian Tracker
4. Car Price Prediction
5. Cifar-10
6. Income Classification using ML
7. Startups Success Rate Prediction
8. Bigmart Sales Prediction Analysis
9. Wine Quality Prediction Analysis
10. Turkiye Student Evaluation Analysis
11. Traffic Forecast
12. Million Songs Dataset
13. Loan Prediction Analysis
14. Iris dataset analysis
15. Image to Text Conversion & Extraction
16. Face Detection (OpenCV)
17. IMDb sentiment review Analysis using ML
18. Boston Housing Prediction Analysis
19. Black Friday Sales Prediction Analysis
20. Bike Sharing Demand Analysis
21. Data Scientist's Salary Prediction
22. Diabetes Classification
23. Heart Disease Prediction
24. First Innings Score Prediction
25. Mall Customer Segmentation
26. Predicting Admission into UCLA
27. Predicting House Prices in Bengaluru
28. Advandced Hyperparameter Tunning
29. House Price Prediction Detailed Analysis
30. Heart Disease Prediction
31. Sentiment Analysis
32. Clustering - Mall Customer Segmentation
33. Clustering - KMeans Clustering for Imaginary Analysis
34. China GDP Estimation
35. Clustering -Turkiye Student Evaluation Analysis
36. SMS Spam Detection Analysis
37. Text Summarization using Word Frequency
38. California Housing
39. Ad Demand Forecast
40. Article Recording System.
41. Autoencoder for customer churn
42. Bayesian Logistic Regression Bank marketing
43. Bayesian Statistics
44. BOW TFIDF XGboost Update
45. Autoencoder For Bank Employee Retention

46. Mercari Price Suggestion Lightgbm
47. Modeling House Price with Regularized
48. Linear Model _ XGboost
49. Nhanes Confidence Intervals
50. Nhanes hypothesis testing
51. Practical Statistics House Demand Analysis. Price Elasticity of Demand Analysis
52. Promotional Time Series
53. PySpark Advance Algorithms Practice Recommender Systems
54. Regression Diagnostics Seattle Hotels Recommender
55. Solving A Simple Classification Problem with Python Beef analysis
56. Text Classification Keras
57. Text Classification Keras consumer complaints
58. Time Series Forecastings
59. TPOT Mercedes
60. Weather Data Classification using Decision Trees Weather Data Clustering using k
61. Working with Databases
62. Xgboost_bow_tfidf
63. Building Recommended system
64. Building Recommender system with surprise
65. CLV _non_contractual
66. CLV_online_Retail
67. Collaborative Filtering Model with TensorFlow
68. Consumer complaints
69. Customer Segmentation Online Retail
70. Customer Segmentation Whosale Employee Turnover
71. Logistic Regression
72. LSTM Time Series Power Consumption for Diabetes
73. Movies Recommendation system
74. Language Translation Model using ML
75. U.S. Gasoline and Diesel Retail Prices 1995
76. Twitter Sentiment Analysis
77. Image Captioning
78. Sentiment Analysis for Tweets
79. 911 Calls - Exploratory Analysis.
80. General Election Poll Analysis
81. Cross-Language Information Retrieval
82. Digit Recognition Model
83. Stock Market Analysis for Tech Stocks
84. Time Series - Indian Nifty Next 25-day Performance Prediction.
85. Introvert & Extrovert People Clustering based on Social media activity.
86. Image to Text Conversion & Extraction
87. Autoencoder Fashion MNIST
88. Movie Recommendation Engine
89. Spam Email Classification
90. Traffic Sign Recognizer
91. Forbes 100 Billionaires Wealth Spending Analysis.

92.Online Payments Fraud Detection
93.Future Sales Prediction
94.Waiter Tips Analysis & Prediction
95.Stock Price Prediction
96.Flipkart Reviews Sentiment Analysis
97.Stock Price Prediction with LSTM Neural Network
98.Cryptocurrency Price Prediction for the next 30 days
99.Article Recommendation System
100. Netflix Stock Price Prediction
101.Time Series Analysis
102. Classification with Neural Networks
103. Stress Detection
104. AlexNet Neural Network Architecture
105. Visualizing a Algorithm
106. Training and Giving Inputs to a Model
107. Product Demand Prediction
108. Electricity Price Prediction
109. Language Detection
110. Adding Labels to a Dataset for Sentiment Analysis
111. Pfizer Vaccine Sentiment Analysis
112. News Classification
113. Omicron Variant Sentiment Analysis
114. Iris Flower Classification
115. Water Quality Analysis
116.Twitter Sentiment
Analysis
117. Squid Game Sentiment Analysis
118.Comparison of Classification Algorithms
119. Tata Motors Stock Price Prediction
120. Health Insurance Premium Prediction
121. Movie Rating Analysis for Beginners
122. Number of Orders Prediction
123. Apple Stock Price Prediction
124. Insurance Prediction
125. Worldwide Billionaires Analysis
126. Unemployment Analysis
127. Car Price Prediction Model
128. Spam Detection
129. Count Objects in Image
130. WhatsApp Chats Sentiment Analysis
131. WhatsApp Chats Analysis
132. Microsoft Stock Price Prediction
133. Covid-19 Vaccine Analysis
134. Video Game Sales Prediction Model
135. Student Grades Prediction Model
136. Saving a Model
137. Uber Trips Analysis
138. Google Search Analysis
139. Tesla Stock Price Prediction Model

140. Financial Budget Analysis
141. Click-Through Rate Prediction Model
142. Interactive Language Translator
143. Language Detection
144. Create a Chatbot with Python
145. Best Streaming Service Analysis
146. Data Science Project on President Heights
147. Data Science Project on Birth Rate Analysis
148. Data Science Project on Time Series
149. Data Science Project on Area and Population
150. A Complete Project Walkthrough
151. Text Summarization
152. Keyword Extraction
153. Data Science on Finance
154. Data Science on Marketing
155. End-to-end
156. on Binary Classification
157. Data Science Based on Domains
158. Sarcasm Detection
159. Social Media Followers Prediction
160. Amazon Product Reviews Sentiment Analysis
161. Hate Speech Detection
162. End-to-end Hate Speech Detection System
163. End-to-end Fake News Detection System
164. End-to-end Spam Detection System
165. Hotel Reviews Sentiment Analysis
166. Real-time Gender Detection System
167. Dogecoin Price Prediction
168. Google Play Store Sentiment Analysis
169. Amazon Alexa Reviews Sentiment Analysis
170. Social Media Ads Classification
171. Fake News Detection
172. End-to-End Model
173. Gender Detection
174. Sales Prediction
175. Currency Exchange Rate Prediction
176. End-to-end Project
177. Profit Prediction Model
178. Automatic Time Series Forecasting
179. Ted-Talks Recommendation System
180. Real-time Sentiment Analysis
181. Amazon Recommendation System
182. Mobile Price Classification
183. House Price Prediction
184. Real-Time Face Mask Detection
185. Gold Price Prediction
186. Object Detection
187. Next Word Prediction Model

188. Age and Gender Detection with Python
189. Autocorrect Keyboard with Python and .
190. in 5 lines of code.
191.Deepfake Detection with
.
192. Predict US Elections with Python.
193. Fake Currency Detection with .
194. Predict Tinder Matches with .
195. Pencil Sketch with Python.
196. OpenAI Gym in
197. Fraud Detection with .
198. Topic Modeling with Python
199. WhatsApp Group Chat Analysis
200. Network Security Analysis
201. Handwriting Recognition
202. Visualize a Solar System with Python.
203. Hate Speech Detection Model
204. Learning Gladiator
205. Time Series - Covid-19 Cases Predictions for Next 30 Days
206. Time Series - Stock Price Prediction using Linear Regression
207. Time Series - Earthquake Prediction Model
208. Time Series - Predict Migration
209. Time Series - Weather Prediction Model
210. Contact Tracing with
211. Covid-19 Telegram Bot with Python
212. Covid-19 Detection with
213. Covid-19 Death Rate Analysis
with 214.
215. HealthCare - Heart Disease Prediction
216. HealthCare - Skin Cancer Classification
217. HealthCare -Lung Segmentation
218. HealthCare -Predict Diabetes
219. Face Mask Detection using ML
220. Face Expression Identifier
221. Employee Turnover Prediction
222. Earthquake Prediction
223. Software Developer Salary Prediction
224. Advanced Credit Card Fraud Detection
225. Cotton Disease Prediction
226. NLP Disaster or Not Disaster
227. Outliers Detection
228. Titanic Dataset & Advanced Analysis
229. Boston Housing Analysis
230. Pneumonia Classification
231. Gold Price Prediction.
232. Rain Fall Prediction
233. IPL First Inning Score Predictor
234. Live Smile Detector
235. Spam Classifier

236. Student Performance Analysis
237. Text Summarization
238. Time Series Forecasting
239. Time Series With LSTM
240. Indian Cricket Team Player's Next Match Performance Prediction
241. Titanic Survival Prediction
242. Tracking of Covid-19 in Animals.
243. Traffic Sign Recognition
244. Wine Quality Prediction
245. Play Money Ball
246. Baseball
247. Predict Stock Prices
248. Stock Price Predictor
249. Handwritten Text Recognition with TensorFlow
250. Investigate Enron Fraud Analysis with
251. Write ML Algorithms from Scratch
252. Social Media Sentiment
253. Improve Health Care
254. Iris Data
255. Loan Prediction Data
256. Bigmart Sales Data
257. Boston Housing Data
258. Time Series Analysis Data
259. Wine Quality Data
260. Turkiye Student Evaluation Data
261. Heights and Weights Data
262. Intermediate Level
263. Black Friday Data
264. Human Activity Recognition Data
265. Siam Competition Data
266. Trip History Data
267. Million Song Data
268. Census Income Data
269. Movie Lens Data
270. Twitter Classification Data
271. Advanced Level
272. Identify your Digits
273. Urban Sound Classification
274. Vox Celebrity Data
275. ImageNet Data
276. Chicago Crime Data
277. Age Detection of Indian Actors Data
278. Recommendation Engine Data
279. VisualQA Data
280. Nonlinear Reconstruction of Genetic Networks Implicated
281. Identifying Gender From Facial Features
282. Intensity prediction using DYFI
283. Artificial Intelligence on the Final Frontier

284. Life Expectancy Post Thoracic Surgery
285. Making Sense of the Mayhem
286. Better Reading Levels through
287. What are People Saying about Net Neutrality
288. Bird Species Identification from an Image
289. A bigram extension to a word vector representation
290. Mining for Confusion – Classifying Affect in MOOC Learners' Discussion Forum Posts
291. Cardiac Arrhythmias Patients
292. Prediction of Average and Perceived Polarity in Online Journalism
293. Cardiac Dysrhythmia Detection with GPU-Accelerated Neural Networks
294. Nicolas Sanchez Ruck Those Stats
295. Classifying Wikipedia People Into Occupations
296. Classification of Soil Contamination
297. Automated Essay Grading
298. Relative and absolute equity return prediction using supervised learning
299. Seizure Prediction from Intracranial EEG Recordings
300. Predicting Seizure Onset with Intracranial Electroencephalogram(EEG)
301. Classifying Complex Legal Documents
302. Applied to the Detection of Retinal Blood Vessels
303. Survival Outcome Prediction for Cancer Patients
304. Predicting Cellular Link Failures to Improve User Experience on Smartphones
305. Yelp Personalized Reviews
306. KMeans
307. Strength in numbers_ Modelling the impact of businesses on each other
308. Correlation-Based Multi-Label Classification
309. Landmark Recognition Using
310. CarveML is an application to file fragment classification
311. classifier
312. Using Vector Representations to Augment Sentiment Analysis
313. Analyzing Vocal Patterns to Determine Emotion
314. Predicting the Commercial Success of Songs Based on Lyrics and Other Metrics
315. Application Of To Aircraft Conceptual Design
316. Extracting Word Relationships from Unstructured Data
317. for Predicting Delayed Onset Trauma Following Ischemic Stroke
318. Classifying Online User Behavior Using Contextual Data
319. Real-Time Flight Path Optimization Under Constraints Using Surrogate Flutter Function
320. Real-Time Dense Map Matching with Naive Hidden Markov Models Delay versus Accuracy
321. Prediction Function from Sequence in Venom Peptide Families
322. Restaurant Recommendation System
323. Home Electricity Load Forecasting
324. Learning Dota 2 Team Compositions
325. Applying Deep Learning to derive insights about non-coding regions of the genome

326. Classification of Higgs Jets as Decay Products of a Randall-Sundrum Graviton at the ATLAS Experiment
327. SemenFertilityPrediction.Axel Guyon,Florence Koskas,Yoann Buratti
328. Sentiment Analysis Using Semi-Supervised Recursive Autoencoders and Support Vector Machines
329. Classifying Syllables in Imagined Speech using EEG Data
330. Abraham Starosta-Typeguess
331. Predicting Usefulness of Yelp Reviews
332. Predicting Soccer Results in the English Premier League
333. Detecting Heart Abnormality using ECG with CART
334. Down and Dirty with Data
335. Hierarchical Classification of Amazon Products
336. Predicting high-risk countries for political instability and conflict
337. Implementation in live-cell tracking
338. Any Given Sunday
339. P300 Error Detection
340. Automated Canvas Analysis for Painting Conservation
341. Office Appliance Classification
342. Sentiment Analysis on Movie Reviews
343. Predicting Mobile Application Success
344. Modeling Activity Recognition Using Physiological Data Collected from Wearable Technology
345. Neural Network Joint Language Model.Charles Qi.[pdf]
346. Yelp Recommendation System Using Advanced Collaborative Filtering
347. Prediction of Yelp Review Star Rating using Sentiment Analysis
348. Classification of Bad Accounts in the Credit Card Industry
349. Classification Of Musical Playing Styles
350. Email Filtering By Response Required
351. Forecasting Utilization in City Bike-Share Program
352. Recommender.Christopher Aberger
353. Predicting Cell Type-Specific Chromatin States from Genetic Regulatory Networks
354. Pose Estimation Based on 3D Models
355. Visual Localization and POMDP for Autonomous Indoor Navigation
356. Contours and Kernels-The Art of Sketching
357. Indoor Positioning System Using Wifi Fingerprint
358. Predicting air pollution level in a specific city
359. Prediction of Transcription Factors that Regulate Common Binding Motifs
360. Multi-class motif discovery in keratinocyte differentiation
361. Defensive Unit Performance Analysis
362. Diagnosing Malignant versus Benign Breast Tumors via Techniques in High Dimensions
363. Hacking the Hivemind
364. Diagnosing Parkinson’s from Gait
365. Implementing Algorithms on GPUs for Real-Time Traffic Sign Classification
366. Vignette
367. In JavaScript

368. Searching for exoplanets in the Kepler public data
369. Model Clustering via Group Lasso
370. Improving Positron Emission Tomography Imaging with
371. Algorithmic Trading of Futures via .David Montague
372. Topic-based comments exploration for online articles
373. Personal Legal Counselor and Interpreter of the Law via
374. Personalized Web Search
375. Detecting Ads in a Approach
376. Predicting Mitochondrial tRNA Modification
377. Collaborative Neighborhoods
378. Estimation of Causal Effects from Observational Study of Job Training Program
379. Deep Learning Architecture for Univariate Time Series Forecasting
380. Solomon
381. Automatic detection of nanoparticles in tissue sections
382. Implementation of Deep Convolutional NeuralNet on a DSP
383. Evergreen or Ephemeral – Predicting Webpage Longevity Through Relevancy Features
384. MacMalware
385. Extractive Fiction Summarization Using Sentence Significance Scoring Models
386. Identifying And Predicting Market Reactions To Information Shocks In Commodity Markets
387. An EM-Derived Approach to Blind HRTF Estimation
388. The Many Dimensions of Net Neutrality
389. Learning To Predict Dental Caries For Preschool Children
390. Information based feature selection
391. Identifying Elephant Vocalizations
392. Predicting Protein Fragment Binding
393. Bike Share Usage Prediction in London
394. Localized Explicit Semantic Analysis
395. Robo Brain Massive Knowledge Base for Robots
396. Understanding Music Genre Similarity
397. Correlated Feature Selection for Single-Cell Phenotyping
398. Activity Recognition in Construction Sites Using 3D Accelerometer and Gyrometer
399. Event-based stock market prediction
400. Recommendation Based On User Experience
401. Spectrum Adaptation in Multicarrier Interference Channels
402. Exploring Potential for on Data About K-12 Teacher Professional Development
403. Player Behavior and Optimal Team Compositions for Online Multiplayer Games
404. Algorithmic Trading Strategy Based On Massive Data Mining
405. Face Detection And Recognition Of Drawn Characters
406. Gene Expression Analysis Of HCMV Latent Infection
407. A New Kalman Filter Method
408. Using Tweets for single stock price prediction

409. Naïve Bayes Classifier And Profitability of Options Gamma Trading
410. Vector-based Sentiment Analysis of Movie Reviews
411. A General-Purpose Sentence-Level Nonsense Detector
412. Characterizing Genetic Variation in Three Southeast Asian Populations for the Smart Grid
413. Predicting Africa Soil Properties
414. Automated Bitcoin Trading via Algorithms
415. SkatBot
416. Tradeshift Text Classification
417. New York City Bike Share
418. Predicting Seizure Onset in Epileptic Patients Using Intracranial EEG Recordings
419. Predicting Foster Care Exit
420. Yelp Recommendation System
421. Predicting National Basketball Association Game Winners
422. Predicting Yelp Ratings From Business and User Characteristics
423. Predicting Popularity of Pornography Videos
424. Accurate Campaign Targeting Using Classification Algorithms
425. Forecasting Bike Rental Demand
426. Predicting User Following Behavior On Tencent Weibo
427. Improving Taxi Revenue With Reinforcement Learning
428. Learning Facial Expressions From an Image
429. All Your Base Are Belong To Us English Texts Written by Non-Native Speakers
430. Identifying Regions High Turbidity
431. A Comparison of Classification Methods for Expression Quantitative Trait
432. Predicting Mobile Users' Future Location
433. Semi-Supervised Learning For Sentiment Analysis
434. Legal Issue Spotting
435. A novel way to Soccer Match Prediction
436. Morphological Galaxy Classification
437. Predicting Helpfulness Ratings of Amazon Product Reviews
438. Predicting Course Completions For Online Courses
439. An Adaptive System For Standardized Test Preparation
440. Single Molecule Biophysics For Automated Data Processing
441. Understanding Comments Submitted to FCC on Net Neutrality
442. Direct Data-Driven Methods for Decision Making under Uncertainty
443. Classifying Legal Questions into Topic Areas Using
444. Predicting Hit Songs with MIDI Musical Features
445. Methods for Biological Data Curation
446. Classifying Forest Cover Type using Cartographic Features
447. Peer Lending Risk Predictors
448. Learning Distributed Representations of Phrases
449. Estimation Of Word Representations Using Recurrent Neural Networks And Its Application In Generating Business Fingerprints
450. Gender Identification by Voice
451. Applications Of To Predict Yelp Ratings
452. Methodology for Sparse Classification Learning Arrhythmia

453. Predicting March Madness
454. Net Neutrality Language Analysis
455. Characterizing Atrial Fibrillation Burden for Stroke Prevention
456. Predict Seizures in Intracranial EEG Recordings
457. Automated Music Track Generation
458. Characterizing Overlapping Galaxies
459. Understanding Player Positions in the NBA
460. Cross-Domain Product Classification with Deep Learning
461. Predicting Heart Attacks
462. Prediction of Bike Sharing Demand for Casual and Registered Users
463. Classification Of Arrhythmia Using ECG Data
464. What Can You Learn From Accelerometer Data
465. Speaker Recognition for Multi-Source Single-Channel Recordings
466. Prediction of consumer credit risk
467. for Network Intrusion Detection
468. Predicting Paper Counts in the Biological Sciences
469. Prediction of Price Increase for MTG Cards
470. Twitter Classification into the Amazon Browse Node Hierarchy
471. Determining Mood From Facial Expressions
472. Visualizing Personalized Cancer Risk Prediction
473. Predicting the Total Number of Points Scored in NFL Games
474. Short-Term Power Forecasting Of Solar PV Systems Using Techniques
475. Star-Galaxy Separation in the Era of Precision Cosmology
476. Artist Attribution via Song Lyrics
477. Accelerometer Gesture Recognition
478. Arrhythmia Classification for Heart Attack Prediction
479. #ML#NLP-Autonomous Tagging Of Stack Overflow Posts
480. Scheduling Tasks Under Constraints
481. Classification Of Beatles Authorship
482. Classification of Accents of English Speakers by Native Language
483. Exposing commercial value in social networks matching online communities and businesses
484. Hacking the genome
485. How Hot Will It Get Modeling Scientific Discourse About Literature
486. Permeability Prediction of 3-D Binary Segmented Images Using Neural Networks
487. Automated Identification of Artist Given Unknown Paintings and Quantification of Artistic Style
488. Predicting Lecture Video Complexity
489. Result Prediction of Wikipedia Administrator Elections based on Network Features
490. Predicting The Treatment Status
491. Error Detection based on neural signals
492. Speech Similarity
493. Data-Driven Modeling and Control of an Autonomous Race Car
494. Predicting the Diagnosis of Type 2 Diabetes Using Electronic Medical Records
495. A Novel Approach to Predicting the Results of NBA Matches

496. Automatically Generating Musical Playlists
497. Solar Flare Prediction
498. Application of techniques for well pad identification in the Bakken oil field
499. Anomaly Detection in Bitcoin Network Using Unsupervised Learning Methods
500. Two-step Semi-supervised Approach for Music Structural Classification

Git and GitHub Workshop

Register Here:

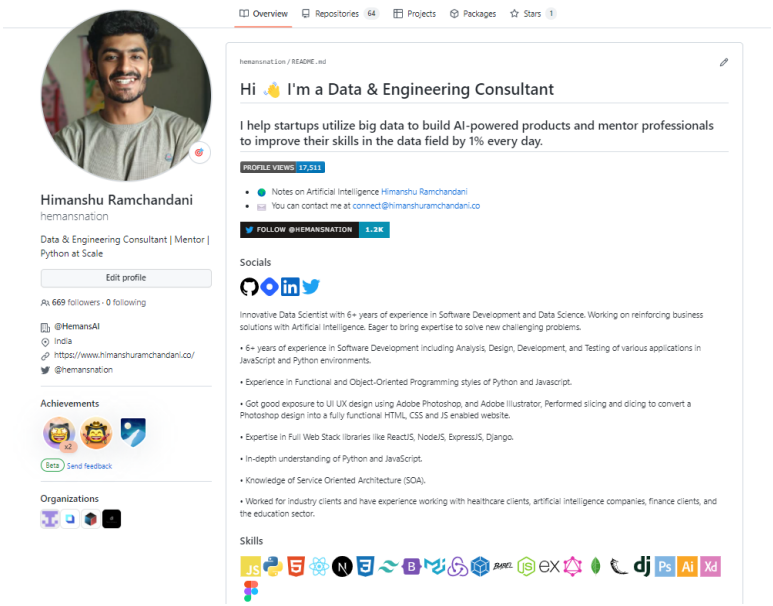
https://god-level-python.notion.site/Git-and-GitHub-Workshop-1d4d70450aa94dd7ad2c062c0fec3cb8

Contents of 2 Days:

- Understanding of git - version control system
- Commands and How to commit your first code?
- How to use GitHub
- How to make your first open-source contribution?
- How to work with a team?

- How to build a stunning GitHub profile?
- How to build your own viral repository?
- How to grow followers on GitHub?

My GitHub Profile: https://github.com/hemansnation



GitHub Projects List:
https://github.com/hemansnation/Data-Science-ML-Full-Stack/tree/master/projects

Data Science ML Full Stack Roadmap
https://github.com/hemansnation/Data-Science-ML-Full-Stack-2022

Join Telegram for Data Science ML AI Resources:
https://t.me/+sREuRiFssMo4YWJl

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