







Abhay Sudhakar Patil

DOB : 03/08/1999

Pythoner, ML Enthusiast, having flair for scraping and transforming complex data into insightful visualizations, creating and hosting interactive Dashboards, training and deploying predictive Regression and Classification models. Willing to learn and open to adapt new technologies. Seeking a career in the field of Data Science.

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EDUCATION

Qualification	Institute	Passing Year	CPI/ Percentage
B.Tech Civil Engg.	Veermata Jijabai Technological Institute, Mumbai	2021	7.96
HSC	Yashwant Mahavidyalaya, Nanded	2017	87.54%
SSC	Rashtramata Madhyamic Vidyalaya, Nanded	2015	93.80%

PROJECTS

- Web-Scraping Nifty 500 companies Quaterly Results.**
 - Live Dashboard at <http://abhaypatil.ml>
 - Scraped Quaterly Financials of Nifty 500 companies from Trendlyne.com of last 2 years using Selenium.
 - Created a interative dashboard for analysing the correlation between the stock price vs the quaterly metrics using Plotly and React.js in Frontend.
 - Hosted the Dashboard on AWS EC2 [Ubuntu 22.04] Instance using Flask & Gunicorn as Backend Server.
- Predicting House Price using Non-Linear Regression.**
 - [Kaggle](#) : R^2 score [coeff. of determination] = 0.92
 - Applied numpy polynomial curve fitting manually to get the best fit curve for each continuous feature.
 - Used median of sub-category for categorical features.
 - Normalised the dataset and used Scikit-learn Linear Regression for getting the weight for each feature.

SKILLS

Data Wragling	Pandas, Numpy, Datetime, Regex.
Dashboarding	Plotly [graph-objects], Dash.
Web Scraping	BeautifulSoup, Selenium Webdriver
Feature Engineering	Categorical Encoding, Imputing, Scaling, Binning, Handling Outliers.
Machine Learning	Supervised ML algorithms in Scikit-Learn, XGBoost, LightGBM.
RDBMS MySQL	CRUD, Joins, Group By, Constraints, Transactions, Indexing, Privileges.
AWS Cloud	Compute - EC2, Storage - S3.
Terminal/ Command Line	git, ssh, curl, wget, tmux, http, pkill, nano, ngrok, aws-cli, apt, pip, npm.
Front End	Html, Css, React.js, Ant-Design.js Zustand.js, Axios.js, Vite.js.
Server Side	Flask [RESTapis], Gunicorn [wsgi].
Vs Code Editor	Debugging, Thunder Client.
Notebook	Jupyter Lab, Google Colab, Remote.

CERTIFICATIONS

- IBM Data Science Professional Certificate, Coursera.
- Interactive Dashboards with Plotly and Dash, Udemy.
- Machine Learning practical workout, Udemy.
- Complete SQL mastery, CodeWithMosh.
- Data Analysis with MS-Excel Pivot Tables, Udemy.
- Pandas Tutorial Playlist by Corey Schafer, Youtube.
- Data Structures and Algorithms, GeeksForGeeks.

WORK EXPERIENCE

- ❖ Quality Control Engineer (GET) [June 2021 - Feb. 2022] @Afcons Infrastructures Ltd, Patna, Bihar.

VOLUNTEERING

- ❖ Implemented MapReduce model for creating a CubeArt of 24,000 cubes at R-City mall, Ghatkoper, Featured in Limca book of world record in year 2018-19.

COMPETENCIES

- Solved 300+ problems on Leetcode related to Data Structures: Array, Stack, Deque, Heap, Tree, HashTable, LinkedList, Recursion.
- Created a MySQL community server on AWS EC2 instance and created a connection from using pyMySQL library in Python. Dumped Pandas dataframe to MySQL Table and Loaded data from the Table back into Dataframe.
- Executed a jupyter notebook from local on a remote jupyter kernel on AWS EC2 instance.
- Aptitude (15/15 in Gate 2021 and Gate 2022)
- Mathematics (100/100 in SSC, 92/100 in HSC)

HOBBIES

- Reading articles on Medium, Analyticsvidhya, 365data-science, Real-Python, Geeks-for-Geeks.
- Playing Chess, Rubiks Cube.