



Ayush Tripathi

Data Scientist

I am an ML professional who loves to build data-centric ML solutions. I have spent 3+ years in helping build intelligent systems using IoT sensor data, driving decision making for Marketing teams and deploying ML Applications to Cloud.

✉ ayusht2396@gmail.com

📍 Bengaluru, India

🐙 github.com/ayusht2396

☎ +91 8840796168

🌐 linkedin.com/in/ayusht2396

WORK EXPERIENCE

Data Scientist Fractal Analytics

06/2022 - Present

Bengaluru

Achievements/Tasks

- Developed the Growth and Marketing Budget Dashboard for a Global Premium Music Subscription Company. (HTML, CSS used for front-end design)
- Created SQL ETL pipelines for feeding KPIs and Budget data to the dashboards.
- Developed a forecasting model to estimate upcoming quarter's Marketing Budget for 95 countries using a weighted moving average based proprietary algorithm.
- Conducted Causal Impact Analyses on several Marketing offers and advised PMMs on renewals, increasing OKR metric by 9% QoQ.

Data Scientist GE Oil & Gas (Baker Hughes)

07/2019 - 05/2022

Pune

Achievements/Tasks

- Developed a regression model to estimate the *Combustion Efficiency* of a flare stack based on its physical parameters with a validation RMSE of 2.9 for a Closed Loop Monitoring System. (Model: Random Forest Regressor)
- Developed a 'time series forecast model' to efficiently forecast the 'refill day' of upstream chemical tanks. Compared several forecasting models and settled on an Exponential Smoothing Model with a 82% test accuracy.
- Automated the Data extraction and transformation from over 80k Pdfs (28 different formats) and putting the information in structured csv files using Python (PyPDF2, Pandas etc.).

EDUCATION

B.Tech Electronics & Communication Maulana Azad National Institute of Technology, Bhopal

08/2015 - 04/2019

8.14

SKILLS

Machine Learning (Linear Regression, Logistic Regression, Random Forest, Decision Trees, K-means, PCA, Causal Impact Analysis)

SVN / Git

Languages: SQL, Python. HTML/CSS

Libraries: Pandas, Numpy, Scikit - learn, Statsmodels, Tensorflow, Keras, NLTK

Tools: MATLAB, Power BI, Data Studio, Excel

PROJECTS

BMI Prediction

- Developed an end-to-end ML App using Flask that predicts the BMI Index of a person using Polynomial Regression.
- Deployed the app to cloud app engine.
- APP: <http://ayusht2396.pythonanywhere.com/>
- GIT: https://github.com/ayusht2396/ml_apps

Resume Scoring

- Developed an ML Application that scores a resume against a Job Description.
- Implemented a complete NLP Pipeline in NLTK, Developed HTML Webpage for the Front-end of the App.
- APP: <http://ayusht2396.pythonanywhere.com/>
- GIT: https://github.com/ayusht2396/ml_apps

ACHIEVEMENTS

Fractal Certified Decision Scientist

Completed a 6 week professional certification & an internal ML hackathon to solve a Classification Problem for a Sales Department of a Business. Ended up building the most accurate model and fastest submission.

Bravo Award

Received Collaboration Award from Product Line VP for leading the effort in digitisation of their 'Technical Bulletins'.

Lead Award

Received recognition from leadership for contributions to Predictive Emissions Monitoring Project

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency