

SAMEER FULZELE

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🔗 <https://github.com/Sameerfulzele>

TECHNICAL SKILLS

Python pandas SQL
Dash Flask django
Tableau Excel PowerBI
scikit-learn statsmodels
Git OpenMP Keras

CERTIFICATIONS

- 🔗 Machine Learning with Python
| MITx 6.86x
- 🔗 Probability Science of Uncertainty & Data
| MITx 6.431x
- 🔗 SQL for Data Science
| Coursera
- 🔗 Customer Analytics
| Coursera
- 🔗 Unit Testing for Data Science
| Datacamp
 - Data Analysis: Statistical Modeling
Computation in Applications
| MITx 6.86x

ACTIVITIES

- Represented Pune Region in National Volleyball Championship
- Secured scholarship for JEE coaching from Dakshana Foundation
- Volunteered for Dakshana Foundation in their India selection test & JEE prep guidance
- Coordinator for social impact events for Abhyuday (Social Club of IIT Bombay)

PROJECT LINKS

🔗 Titanic | Classification

🔗 Housing Prices | Regression

🔗 M5 Forecasting | Time Series

🔗 Parallel Programming | HPSC

EDUCATION

Indian Institute of Technology Bombay

B.Tech in Aerospace Engineering

📅 Jul 2016 – Apr 2020

📍 Mumbai

MITx Micromasters in Statistics and Data Science

Coursework: Probability, Statistics, Machine Learning, Statistical Modeling

📅 Jan 2021 – Present

EXPERIENCE

Data Scientist, Thoucentric

📅 Sept 2020 – Present

📍 Bangalore

Client : Phillip Morris International

- Data Science team: providing Ad hoc analysis for eight International markets
- Modelling of Price Elasticity, Cross Price Elasticity, Trade Margins, Forecasted Volumes & other KPIs on different granularities as per the business requirements of 8 markets

In house Product Development: Pricing Simulator Application

- Supervised the development & deployment of Pricing Simulator application using Dash
- Customized Dash components & implemented callbacks for better interactivity & UX
- Implemented Time Series & ML models in the backend for forecasting volumes of CPG

In house Product Development : E-commerce Product Offering

- Designed Data Scraper to collect data available on Amazon's bestsellers website
- Using Dash Framework created a dashboard to compare & understand market trends, brand presence, ranking, rating category-wise provided on Amazon's Bestseller website

Technical Intern, Bosch RBAI

📅 May 2019 – July 2019

📍 Bangalore

Prototype Development –Auto Shift Geared Bicycle

- Reduced product cost by 40% by replacing torque sensor with inexpensive hall sensors
- Programmed & tested algorithms in Arduino Mega 2560 for POC of the product

Data Analysis –Bosch Telematic Products

- Used Google Maps API for visualization after data wrangling from Bosch Products
- Remodelled the Algorithm for calculating driving score suitable for Indian conditions

PROJECTS

Kaggle: Titanic, Housing Prices, M5 Forecasting

- Performed about data profiling, cleaning, merging, melting, & feature engineering
- Implemented Grid Search method to compare models available in scikit-learn library
- Wrote modularised scripts & mastered unit testing, logging & debugging methods

HPSC Project: Parallel Implementations & Analysis

- Explored & compared various paradigms of parallelization using OpenMP, MPI & Cuda
- Quantitatively deduced the imperative need choose efficient algorithm to solve a problem instead of parallelizing an inefficient algorithm