Aakash Dusane

Bangalore, India
Email: aakash.dusane@gmail.com
Portfolio: https://github.com/aakashdusane/Portfolio
Contact: +91-9886517518

Educational Qualifications

P.G.D - Data Science | 2018 - Current | Indian Institute of Information Technology, Bangalore
Currently holding an aggregate of **90%** in all modules

B.E - Mechanical Eng. | 2014 – 2018 | P.E.S Institute of Technology
Obtained '**FIRST CLASS**' with CGPA of 6.75

12th Grade (PUC) | 2012 – 2014 | Deeksha Integrated
Obtained '**FIRST CLASS**' with an aggregate of 78%

Professional Experience

- **Virel.ai Technologies (Current)**
  Role: Backend Developer
  Responsibility: Development, testing and implementation of tech to convert raw financial data into actionable insights. Identify ideas to improve system performance, speed and accuracy. Obtained exposure to Image Recognition and Optical Character Recognition techniques using OpenCV and Tesseract engine.
  Worked with the following tools: Python, Flask, Tesseract, MongoDB, Selenium, BeautifulSoup

- **YellowAnt Inc.**
  Role: Software Developer Intern
  Responsibility: Web Application development and third-party integration for a chat-ops SAAS used in Slack and Microsoft-Teams. Had the opportunity to learn from talented web developers.
  Worked with following tools: Python, Django, MySQL, JavaScript, Node.js, Requests.

Technical Skills

Machine Learning: Data Modelling in Python with numPy, Pandas, Scikit-Learn
Data Management: My*SQL, MongoDB*
Data Analysis: *Tableau, MS Excel, matplotlib, Seaborn*

Language Proficiency

- English (IELTS – 7.5 Band) • Marathi • Hindi • German (A1 Level)

Key Projects

- **Graduate Admissions EDA and Prediction:** Project objective was to determine the top predictors of admission success for Indian applicants in American Universities for post graduate studies, and to predict if a candidate will be successful based on their current profile. Data was used from two different open source datasets with different features.
    - Analysis of where the average applicant stands versus applicants accepted in top Universities for given majors.
    - Analysis of requirements and biases of Universities with regards to applicant's status.
    - Predictions of chance of admit by using regression models.

- **Trip Advisor Sentiment Analysis:** This was a freelance project for The Oberoi, Mumbai. Objective was to analyse available rating data and gauge the recent sentiment of their customers to suggest methods to improve quality and experience of stay. The project was completed successfully in a time span of 10 days.
    - Analysis of impact of reviews based on time of year.
    - Analysis of customer dissatisfaction segmented by customer origin and trip-type.
    - Sentiment Analysis of customer reviews and their effects on the business.
    - Recommendations based on detailed analyses of customer sentiment.

- **Nifty-Fifty Stock Analysis and Classification:** This project was done to analyze stock trend of the Nifty Fifty companies, find the correlation between stock returns of all 50 companies and predict whether to Buy, Sell, or Hold a particular stock.
    - Analysis of stock price trend using lagging indicators and volume sold.
    - Finding correlation between companies and their effect on stock prices.
    - Prediction of Buy, Sell, Hold of particular stock using classification models. (Voting classifier of KNN, Random Forest, and linearSVC was used)

- **Airbnb Next Destination Prediction:** Aim of project was to predict the destination (Country) for the next airbnb booking by new users. This information can allow airbnb to implement targeted advertising. It can experiment with new marketing strategies or brainstorm about what changes in demand could follow in the coming years.
    - Analysis of demand in popular destination among users based on location and gender.
    - Prediction of top 5 destinations for each user using XGBoost model.

Certifications

- **'Applied Data Science with Python'** certification issued by *IBM*
- **'Data Science for Business'** certification issued by *IBM*
- **'Sustainable Energy'** certification issued by *Delft University of Technology, Netherlands*