

UMESH CHAUDHARI

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Education

MVPS Karmaveer Baburao Ganaptrao Thakare College of Engineering

August 2018 - June 2022

Bachelor of Mechanical Engineering(CGPA of 8.23)

Nashik, Maharashtra

Experience

SevenMentor

June 2023 – December 2023

Data Science Intern

Pune, India

- Developed and implemented Python and SQL projects, including analyses of Zomato and Uber data, demonstrating a strong grasp of data science concepts. Leveraged Pandas and NumPy to clean, preprocess, and analyze large datasets which then used for implementing machine learning models using scikit-learn.
- Conducted thorough research on the stock market, utilizing finance for data extraction, and provided valuable insights contributing to strategic decision-making.

Projects

Zomato Data Analysis | Python, Numpy, Pandas, Scikit-learn, MySQL |

4

- Analyzed the data taken from Zomato to understand the business requirements. The **matplotlib** and **seaborn** gives a very interactive plot and charts describing the buying patterns of customers in Pune. Approximately **80 percent** of customers have ordered from restaurants where the cost ranges from Rs. 250 to Rs. 300 for two people.
- 39 Percent** of the restaurant belongs to quick bites and **24.2** percent belongs to casual dining.

WHO Covid-19 Survival Rate Estimation | Python, Selenium, Beautiful Soup, Scikit-learn |

4

- Fetching of data from WHO covid-19 dashboard using **Selenium** automation. The main content is to extract the CSS selector from the complex dynamic HTML and CSS combination. The extracted data is then converted into CSV file. After that applied preprocessing and exploratory data analysis to get quality and valid data.
- The extracted data needed attention to detail as there are null values and outlier treatment need to be done. Applied feature engineering for betterment in quality. After analysis, data is found to be imbalanced so applied **Logistic Regression** as a model after training and testing the model applied **confusion matrix** to evaluate the precision of the model which is 0.71 or 71 percent.

Employee Attrition Analysis | Python, Pandas, Seaborn, Scikit-learn, Excel |

4

- Combined the CSV data of employee review and HR data analysis using **vlookup** having employee id as a common column in MS-Excel. Treatment of rows which have null values and outliers for the best fit model implementation.
- Created **KNN** model for the prediction on the basis of features and graph observation. The accuracy score for the model is 0.73 or 73 percent.

URL Shortner | Python, OOPS, Streamlit |

4

- Created a mini project which shortens any URL for our own sake. The program has covered the basics of string, loops and functions.

Achievements

- Participated in Smart India Hackathon as a **Team Leader** at college level. The presented solution is on how to stop illegal trafficking of coal using AI.
- Winner of **Inter-College Table Tennis Championship, Nashik**. Runner up at District level Table Tennis Competition.

Profile Links

- Hackerrank
- Leetcode
- GitHub

Technical Skills

Languages: C, C++, Python, Java, HTML, SQL

Technologies/Frameworks/Libraries: Jupyter Notebook, VS code, Numpy, Pandas, Matplotlib, Scikit-learn, MySQL, Django, Data Structures and Algorithm, Machine Learning, Selenium, Beautiful Soup Web Scraping