

Saharsh Manish Desai

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Education:

Northeastern University Boston MA - Masters in Data Analytics Engineering **Expected May 2023**

Relevant Courses: Data Mining, Machine Learning, Data Management for Analytics, Foundations of Data Analytics GPA 3.89

VNIT Nagpur India - Bachelor of Technology in Chemical Engineering

May 2021

Relevant Courses: Operations Research, Computer Programming, Project Management, Plant Design and Engineering

Skills and Expertise:

Technical Skills: Python, SQL, Tableau, Machine Learning, R, PostgreSQL, AWS, Microsoft office, C++, C, Neo4J.

Libraries and Frameworks: Matplotlib, Seaborn, Plotly, NumPy, Pandas, Scikit-Learn, PyTorch, Keras, Boto3, NLTK.

Work Experience:

Graduate Teaching Assistant

Jan 2022 – Present

Data Management for Analytics: Northeastern University, Boston

- Provide classroom assistance, grade assignments and projects, hold TA hours for answering doubts and assist Professor in setting up databases for classes.
- Conduct workshops on database modeling, SQL and Neo4J for 100+ students.
- Collaborate with the professor to remodel course framework to integrate experiential learning and industry knowledge.

Student Success Guide (SSG)

Jan 2022 – Present

Northeastern University, Boston

- Mentor 24 learners and provide resources to resolve academic, financial and health related problems.
- Organize group events and fun activities from budget allocated by student success initiative.

Data Analyst, Business Advisor and Co-founder

Dec 2020 – Dec 2021

Conscience Journal

- Counseled the finance and marketing teams and guided them in formulating strategies and taking informed decisions.
- Collected and studied data to discover the prevalent mental health issues faced by different age groups, genders and races.
- Corresponded with psychologists to organize events in order to spread mental health awareness.

Research Intern and Professor Assistant

Apr 2019 – May 2021

VNIT, Nagpur

- Collaborated with Professor to research the interaction of Nanoparticles with membranes.
- Designed the environment using surface evolver software, ran simulations on python and recorded and visualized the results on Excel.

Business Analyst Intern

Prime Engineering Corporation, Mumbai

May 2018 – Dec 2018

- Leveraged SQL to compare the purchase orders to select the best quotations for filling the tenders and increased the turnover for the 3 quarters by 16%.
- Corresponded with the vendors and clients via mails and calls regarding 100+ orders with quote-to-close ratio of 22%.
- Contributed to biweekly business short-term planning sessions and provided insights towards developing strategies.

Projects:

Predicting Consumer Subscription

Dec 2021 – Feb 2022

- Performed exploratory data analysis on the dataset, discovered patterns and designed an interactive dashboard in tableau to determine potential subscribers for a term deposit for a bank.
- Employed machine learning models like logistic regression, decision tree, random forest classifier and XGBoost in python to predict the number of subscribers with 91% accuracy.

Reliance-7-Eleven Merger Database Simulation

Oct 2021 – Dec 2021

- Designed a database of 4000 observations on MySQL, ran queries in SQL and Neo4J to comprehend the logistics, operations management, and cash-flow mechanism of Indian market.
- Predicted the annual sales for the next 2 years in Python using the ARIMA model with an accuracy of 94.5%.
- Visualized discount policies analysis and average selling price analysis for 20+ products in tableau.

Tweets Sentiment Analysis and Network Analysis

Sep 2021– Oct 2021

- Analyzed and pre-processed a dataset of 12339 tweets of Elon Musk of last 10 years and extracted keywords.
- Created a keyword Co-occurrence matrix and bigram network graph of keywords with high frequency using python.
- Compared the time series forecasting of cryptocurrencies like bitcoin prior and post his tweet to the impact of his tweets.

Interests:

Singing, Mentoring, Gaming, Programming, Marvel, DC, Swimming, Cooking, Acting, Sports, Traveling, Reading.