JAIMEEN UNAGAR

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EDUCATION

Northeastern University, Boston, USA **December 2024**
Master of Science, Data Analytics Engineering **GPA: 3.75/4.00**
Relevant Courses: Algorithms**,** Data Management for Analytics, Data Mining for Engineers, Foundations Data Analytics Engineering, Statistical Learning for Engineering

University of Mumbai, Mumbai, India **May 2022**
Bachelor of Technology, Information Technology
Relevant Courses: Advanced Statistics and Probability, Business Analytics, Cloud Computing, DevOps, Information Retrieval

TECHNICAL SKILLS

Languages and Databases: Python, MySQL, SQL Server, T-SQL, Oracle, SAS, R, DAX, HTML, CSS, Java, VBA, MongoDB
Libraries: NumPy, Pandas, sk-Learn, MatplotLib, Seaborn, Pytorch, PySpark, Tensorflow, Shiny, dplyr, ggplot2
Business Intelligence: Power BI, Tableau, Excel (VLOOKUP, Pivot Table, Power Query) Alteryx, Talend Studio, Looker, R Studio
Cloud Services: AWS (S3, Glue, Athena, Lambda), **GCP** (BigQuery, Data Studio), Azure Data Factory
Tools: ServiceNow, GitHub, JIRA, Confluence, Adobe Analytics, Salesforce, SSMS, SSIS, Jupyter Notebooks

WORK EXPERIENCE

Quantitative Research Intern| **1 Finance, Mumbai, India** **June 2022 - December 2022**

- Streamlined prolonged **data processing** times in **algorithmic trading** at 1 Finance by engineering a **proprietary trading framework** using **q/KDB+ and PL/SQL**, cutting data processing time by 30%.
- Addressed sub-optimal trading success rates in **algorithmic strategies** by applying **advance data analytics** and **machine learning techniques** to develop robust strategies, increasing success rate by 25%.
- Elevated insufficient awareness among stakeholders regarding top-performing mutual funds by utilizing **Power BI** for extensive **data analysis**, raising customer interaction by 15% through **interactive dashboards**.
- Resolved limited information leading to less informed credit card choices for customers by analyzing and comparing **credit card offers** using **Alteryx**, boosting customer satisfaction by 10% through informed decisions.

Project Management Intern| **Spectramed Global Health Management LLP, Mumbai, India** **April 2021 - September 2021**

- Spearheaded **data optimization**, cutting **data retrieval** times by 40% through strategic **database management** and **categorization**.
- Implemented **Agile best practices** in **data modeling** and **ETL** processes, enhancing data handling efficiency by an impressive 25%, thereby ensuring a more streamlined and robust data infrastructure conducive to accurate analytics and reporting.
- Utilized **advanced analysis** techniques, adeptly converting diverse datasets into cost-saving measures, leading to a reduction in **operational expenses** by a remarkable 15%, showcasing the tangible fiscal benefits of data analytics when applied creatively.
- Developed an approach with cross-functional collaboration for **workflow management**, creating a user-friendly **KPI dashboard** that contributed to a 20% sales increase through improved decision-making.

ACADEMIC PROJECTS

Bank Marketing Segmentation| Machine Learning, Python, Data Visualization **September 2023 – December 2023**

- **Analyzed** ~41,000 client records using **Logistic Regression, Gaussian Naïve Bayes, and SVM**, achieving up to **70% prediction accuracy** in identifying potential term deposit subscribers in a Portuguese bank.
- **Implemented SMOTE** to balance the dataset, enhancing the minority class recall rate by **69%**, significantly boosting model precision.
- **Achieved** with **Logistic Regression** a balanced accuracy of **69.48%**, demonstrating superior capability in handling imbalanced data and accurately predicting client behavior.
- **Conducted** extensive **data analysis** and **feature engineering**, leading to actionable insights, aiding in the optimization of the bank's marketing strategies, and improving client targeting efficiency.

Health Management Organization | Machine Learning, R, Python, Data Visualization **February 2023 – April 2023**

- Utilized **R** and **Python** for **data cleansing** and **analysis** of a substantial **healthcare cost dataset**, yielding valuable insights and actionable recommendations resulting in a 12% reduction in operational costs.
- Achieved an impressive 88% accuracy in **healthcare trend prediction** using advanced **SVM Model**, **Decision Tree**, and **Association Rules** techniques.
- Developed user-friendly **Shiny apps** for **real-time parameter prediction**, contributing to a 30% reduction in response time for critical interventions.
- Uncovered hidden patterns through **association rule mining**, leading to actionable insights that resulted in a 22% reduction in redundant expenditures and presented key insights on **cost drivers** and guiding **strategic decisions**.