Atharva Deshmukh

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SUMMARY

Data Analyst with demonstrated success in leveraging Python, SQL, and visualization tools (Tableau, Power BI) to extract actionable insights from complex datasets. Currently pursuing a Master's in Information Technology and Analytics with a focus on data science and machine learning. Seeking a full-time Data Analyst position to drive data-informed decision-making and operational efficiency.

SKILLS

Data Analysis and Visualizations: Python (Pandas, NumPy, Matplotlib, Scikit-learn), SQL, Tableau, Power BI, MS Excel (advanced), Looker.

Programming Languages: Python, SQL, R, Java, Java Script, NoSQL, C.

Databases and Tools: MongoDB, MS SQL Server, Oracle SQL, Snowflake, JDBC, SAS, Kettle, REST API, SOAP API.

PROJECTS

Leveraging Text Mining in Telecom Churn Prediction

Rochester Institute of Technology • January 2024 - May 2024

- Built a predictive model using Natural Language Processing on unstructured data to identify potential telecom churn, resulting in a 12% increase in prediction accuracy compared to traditional methods.
- Collected and maintained a dataset of customer reviews by web scraping; cleaned and extracted key insights to enhance model accuracy.
- Employed multiple Scikit-learn algorithms to predict churn rates from unstructured data, driving more reliable churn forecasts, and conducted A/B testing and hypothesis testing to validate model performance and improvements.

Leveraging Visual Analytics to Optimize the Healthcare System in the State of New York

Rochester Institute of Technology • January 2024 - May 2024

- Performed detailed data analysis and created interactive dashboards in Microsoft Power BI to uncover inefficiencies in New York State's healthcare system.
- Delivered data-driven recommendations that led to a 12% reduction in operational costs, after data cleaning and data validation using kettle.

EDUCATION

Rochester Institute of Technology

Masters of Science in Information Technology and Analytics • Rochester, NY • May, 2025 • 3.7 / 4

- Relevant Coursework: Visual Analytics, Foundation of Data Science and Analytics (ML), Non-Relational Data Management, Information Retrieval, Data Mining, Information Assurance Fundamentals.

University of Mumbai

Bachelor of Engineering in Computer Engineering • Mumbai, India • May, 2021 • 7.4 / 10

- Relevant Coursework: Artificial Intelligence, Software Engineering, Machine Learning, Analysis of Algorithms, Data Warehousing.

EXPERIENCE

Dark Horse Digital Solutions

Software Consultant, June 2021 - July 2023, Mumbai, India

- Analyzed and streamlined data pipelines for insurance-sector clients, enabling a 30% reduction in data processing time via automation and optimized workflows.
- Examined large-scale SQL datasets to deliver actionable insights, aligning client goals with data-driven strategies and boosting overall satisfaction.
- Optimized data-driven business processes, achieving a 10% increase in efficiency by implementing advanced data analysis techniques and collaborating with cross-functional teams and consuming their APIs.
- Designed and implemented a scalable ETL process that processed over 1TB of data daily, achieving a 20% reduction in processing time.