Yash Awaghate

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SUMMARY

Computer Science Master's student with a 4.0 GPA, skilled in software development, data analysis, and predictive modeling. Experienced in Oracle Fusion data migrations, ETL development, and Unix/Linux automation. Proficient in Python, SQL, and machine learning tools such as scikit-learn and TensorFlow, with hands-on knowledge of Agile methodologies, Git, Power BI, and Docker. Strong background in Algorithms, AI, and Big Data. Passionate about leveraging analytics and advanced technologies to solve business problems and optimize outcomes.

EDUCATION

Rochester Institute of Technology   Rochester, NY
Master of Science in Computer Science   *Aug. 2023 – May. 2025*
    GPA: 4.0   **Scholarship:** 40%
    Coursework: Foundations of Algorithms, Introduction to Big Data, Computational Geometry

Bajaj Institute of Technology   India
Bachelor of Technology in Computer Engineering   *Aug. 2017 – May 2021*

SKILLS

Languages: Python, R, SQL (Postgres, MongoDB), Java, PLSQL, JavaScript,C/C++, HTML/CSS, React, Node.js
Developer Tools: Git, Unix, Shell Scripting, Docker,Power BI
Familiar with:Spark, CI/CD tools, RESTful APIs
Libraries/Frameworks: pandas, scikit-learn, NumPy, Matplotlib, TensorFlow, OpenCV

PROFESSIONAL EXPERIENCE

Rochester Institute of Technology   Rochester, NY
Tutor and Grader — C++, C, Java, Data Structures , Algorithms   *2024 – Present*
- Tutored students in Foundations of CS Theory and Foundations of Algorithms.
- Graded assignments to provide constructive feedback and help students improve their understanding.

Apps Associates (I) Pvt. Ltd   Hyderabad, India
Associate Consultant   *Sep 2021 – May 2023*
- Orchestrated complex Data Analysis projects, over 30+ complex OTBI and BIP report customizations, leveraging SQL to surpass project objectives
- Managed the migration of critical data through the use of FBDI, Spreadsheets, and PL/SQL packages, ensuring 100% integrity of data and seamless system integration
- Developed Unix/Linux shell scripts to automate repetitive tasks, improving system efficiency by 30%.
- Actively participated in Agile Teams, delivering high-quality results, fostering collaboration, and adapting to changing requirements, resulting in increased customer satisfaction
- Awarded for pivotal contributions in a major project, resulting in a substantial decrease in client-related issues.

PROJECTS

Analysis of NYC Taxi Data and Visualizations | *Python, Tableau, MongoDB, SQL*   Aug 2024 – Sep 2024
- Conducted in-depth analysis of 1.5 million NYC taxi ride records to uncover trends in trip durations, fare amounts, and passenger behaviors, leveraging Python for data cleaning and preprocessing.
- Designed and implemented ER diagrams and relational models for the dataset, ensuring a normalized database structure that reduced redundancy by 25%.
- Identified relevant functional dependencies to define schema constraints and enhance query performance by 20%.
- Migrated the dataset to MongoDB, structuring it as a document-oriented database for flexible querying and faster aggregation, reducing query execution time by 30%.
- Developed interactive dashboards in Tableau to visualize key insights such as peak demand hours, trip patterns, and revenue distribution, enhancing stakeholder understanding of data trends.

Natural Language Interface for Databases | *Python, TensorFlow, scikit-learn, SQL, Git*   Sep 2023 – Feb 2024
- Engineered an NLP system using Python, TensorFlow, and Bi-LSTM models to translate natural language queries into SQL, improving query accessibility by 50%.
- Employed Word2Vec to enhance word embeddings, increasing query context accuracy by 30% and enabling more efficient data exploration.