

Ariya Nazari

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EDUCATION

Georgia Institute of Technology
Bachelor of Science in Computer Science
GPA: 3.75/4.0

Atlanta, GA
December 2024

EXPERIENCE

Oldcastle APG

Jan 2025 – Present

Data Science Analyst

Atlanta, GA

- Developed a RAG chatbot in Snowflake with Python & Streamlit, deployed to 50+ facilities, reducing machine repair times by 35%; leveraged Cortex Search for embeddings and Cortex Complete to generate answers from historical work order data.
- Created a Snowflake data quality app (Python, Streamlit) enabling 30+ business users to identify and resolve issues from ERP (Infor M3); collaborated on EDW Data Vault hubs and satellites design to ensure scalable, accurate data tracking.
- Engineered an anomaly-detection pipeline in Python to automatically flag machine runs with over or under filled bags beyond defined thresholds, reducing material waste.
- Automated CRM data reconciliation by implementing a fuzzy string matching solution to merge client records from newly acquired companies, cutting manual cleanup overhead and accelerating M&A integration.

Oldcastle APG

May 2024 – Aug 2024

Software Engineer Intern

Atlanta, GA

- Replaced Tableau production dashboards with a Snowflake + Streamlit solution, reducing refresh times by 60% and improving performance monitoring.
- Designed drill-down and filtering features for Procurement reporting, enabling faster financial and operational insights.
- Contributed to schema design for Procurement Data Mart (star schema) and EDW (Data Vault), supporting scalable data infrastructure.

Spasli

May 2023 – May 2024

Software Engineer

Atlanta, GA

- Designed and implemented relational database schemas in a fast-paced startup, translating complex requirements into scalable models
- Collaborated on the development of the front-end interface using React and Redux for state management, paired with a secure backend developed in Java and Spring
- Developed authentication workflows using stateless JWT tokens with RSA encryption, enhancing system security
- Strengthened system security through Spring Security by adding user role management and fine-tuning access controls for restricted API endpoints
- Integrated Amazon S3 for reliable and secure storage of user uploaded images and for item listings

PROJECTS

Music Genre Classification Using ML | Python, Numpy, TensorFlow

April 2024

- Developed a music genre classification system using supervised learning, achieving 82% accuracy with an artificial neural network (ANN) model after evaluating various algorithms including SVM, RFC, and RNN/LSTM.
- Preprocessed and augmented the GTZAN dataset (1,000 audio files across 10 genres), extracting key audio features (e.g., MFCCs, chroma, RMS) and applying dimensionality reduction techniques like PCA and LDA to minimize overfitting
- Evaluated models through cross-validation and confusion matrices, optimizing for accuracy and generalization.

GT Getting to know U | JavaScript, React, Tableau, REST API

January 2023

- Conducted a comprehensive analysis of Georgia Tech's course history database and identified key relationships between GPA, credit hours, majors, semesters, and course history
- Leveraged Tableau to design eight interactive dashboards, providing students with visualized trends and insights
- Developed a React-based website integrating dashboards via Tableau's REST API, enhancing user experience with advanced filtering and search capabilities

TECHNICAL SKILLS

Languages: SQL, Python, C, C++, C#, Java, Swift, JavaScript, x86 Assembly

Analytics/Visualization: Tableau, Power BI, Excel, matplotlib, seaborn

Frameworks: React, Node.js, Spring Boot, Redux, Streamlit, Spring Security, ARKit

AI: PyTorch, TensorFlow, Numpy

Cloud/DevOps: Snowflake, AWS, Microsoft Azure, Docker, Kubernetes, CI/CD

Databases: SqlDBM, MongoDB, Firebase, PostgreSQL Server, Oracle