

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

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript/TypeScript, SQL
AI/ML: LangChain, RAG, PyTorch, Agentic Workflows, LLM Orchestration, Snowflake Cortex, OpenAI Whisper, NumPy
Cloud/DevOps: Snowflake, AWS (S3, Lightsail, EC2), Docker, Kubernetes, GitHub Actions (CI/CD),
Frameworks/Tools: Spring Boot, Hibernate/JPA, React, Next.js, Streamlit, REST APIs

EXPERIENCE

Oldcastle APG Feb 2025 – Present
AI Engineer Atlanta, GA

- Architected and deployed a distributed RAG pipeline on Snowflake for 50+ facilities, reducing machine repair time by 35%; optimized retrieval over PDF and SharePoint data using custom chunking and hybrid search, and integrated Llama 3.1 70B via Snowflake Cortex with production monitoring for retrieval precision and latency.
- Engineered a multi-tool AI agent for ERP AP/AR workflows, implementing intent-based routing across text-to-SQL tools and a custom RAG pipeline for fuzzy customer name matching over 25+ tables; supported 300+ monthly production queries.
- Engineered a highly secure ML pipeline for PII/PCI-sensitive audio data, utilizing OpenAI Whisper for transcription and a custom redaction layer to ensure data compliance before LLM processing.
- Automated the extraction of business critical metrics (escalation rates, inventory gaps) using Claude 3.5 Sonnet, optimizing prompt templates to reduce token usage and inference costs.
- Automated CRM data reconciliation using fuzzy string matching algorithms in Python, merging duplicate client records during M&A integration to reduce manual cleanup efforts.

Oldcastle APG May 2024 – Aug 2024
Software Engineer Intern Atlanta, GA

- Migrated legacy Tableau dashboards to Snowflake + Streamlit, reducing data refresh times by 60% and enabling live data.
- Designed Star Schema data marts for Procurement to optimize SQL drill-down reporting

Spasli (Startup) May 2023 – May 2024
Founder & Lead Full Stack Engineer Atlanta, GA

- Architected a full-stack rental marketplace using React (Redux) and Spring Boot, designing a normalized MySQL schema to handle complex many-to-many relationships between users, listings, and roles.
- Implemented a stateless OAuth2/OIDC authentication flow with Google and JWT, securing API endpoints via Spring Security filter chains.
- Engineered a scalable image upload pipeline using AWS S3 Presigned URLs, offloading binary data transfer from the backend server directly to cloud storage to improve application throughput.
- Established a CI/CD pipeline using GitHub Actions to automate unit/integration testing (JUnit) and containerized deployment of the application container to AWS Lightsail.
- Designed a custom Role Based Access Control system using Spring Security authorities to manage permissions for Company Admins versus Standard Users.

LEADERSHIP & SPEAKING

Panelist, “Snowflake Data for Breakfast” Event | Atlanta, GA March 2026

- Represented Oldcastle APG as an AI Engineer, discussing the implementation of production-grade Agents and agentic workflows.

Featured Speaker, Snowflake User Group | Atlanta, GA October 2025

- Presented a technical deep-dive on building efficient RAG pipelines to 100+ data professionals and engineers.

PROJECTS

Music Genre Classification Using ML | Python, Numpy, TensorFlow, Librosa April 2024

- Built an end-to-end audio classification pipeline achieving 82% accuracy on the GTZAN dataset using a custom Artificial Neural Network (ANN).
- Extracted audio features (MFCCs, Chroma, Spectral Contrast) using Librosa and applied dimensionality reduction (PCA/LDA) to optimize feature selection and reduce overfitting.
- Benchmarked performance against SVM and Random Forest classifiers, utilizing cross-validation and confusion matrices to tune hyperparameters.