Adetola Adetunji

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EDUCATION

University of Texas at Austin | Austin, TX   **Expected May 2029**
B.S. in Computer Science, Minor in Statistics & Data Science, Concentration in Machine Learning & AI

PROJECTS

RESTful Spotify API Service | *Java, Spring Boot, Jest, REST API*
- Aimed to integrate real-time music data into a website by building a backend service to consume the **Spotify** Web API.
- Developed a **REST API** using **Spring Boot** and **Java**, implementing **secure OAuth2 authentication flows** to handle user sessions and token refreshing.
- Designed **custom JSON endpoints** to filter and structure track and playlist data for seamless frontend integration.
- Created a Jest test suite to ensure **100% service reliability** by **mocking external API integrations** and gracefully handling potential errors.

InboxOrganizer | *Python, Google Cloud Platform (GCP), Docker, Ollama*
- Developed a solution that uses AI to categorize and manage **high volumes of email** communication.
- Engineered a **Python**-based Gmail organizer utilizing **GCP** and machine learning models via **Ollama** for message categorization.
- Implemented features such as **tagging and summarization** using **Google's Gmail API** to streamline the processing of incoming messages.
- Achieved personal deployment by containerizing the application with **Docker** and maintaining clear documentation.

EXTRACURRICULAR ACTIVITIES

Sustainable Building Initiative (**SBI**) | *Software Engineer*   **September 2025 - Present**
- Engineered a dynamic and scalable, full-stack questionnaire system utilizing a **TypeScript** and **React** frontend and a **Decision Tree architecture** to provide complex conditional form logic
- Contributed to the development of a central client portal to manage intake and progress updates, creating a **central source of information** for team members and clients.
- Developed dynamic routing capabilities that automatically **process client input** and unlock specific backend forms (Finance, Engineering, etc.), streamlining data collection processes.

PROFESSIONAL EXPERIENCE

Mountain Mike's Pizza | *Team Member*   **March 2025 - May 2025**
- Provided excellent customer service in a fast-paced environment, often on my own, while handling orders and resolving issues with customers
- Collaborated with team members to maintain high standards of quality and cleanliness
- Assisted in training new staff and using POS systems

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, Javascript, Typescript
Frameworks/Technologies: RESTful APIs, Docker, Spring Boot, Git, Google Cloud Platform, Ollama, Jest, React
Relevant Coursework: Data Structures & Algorithms, Discrete Math, Multivariable Calculus