

Rishi Raj

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EDUCATION

GEORGIA STATE UNIVERSITY

Atlanta, GA

BS in Computer Science | **GPA: 3.9/4.0**

May 2026

- Honors and Organizations: GSU Computer Science Club, GSU Web Design Club, GSU Game Development Club, Association For Information Systems
- Relevant Coursework: Data Structures, Software Development, System Level Programming, Computer Organization & Programming, Probability and Statistics

PROFESSIONAL EXPERIENCE

OUTLIER

Atlanta, GA

AI Prompt Engineer

April 2025 - Present

- Conducted in-depth evaluations of LLM outputs using Python-based tools, assessing reasoning, code quality (JavaScript, Python), and conversational UX to inform model updates aligned with product needs.
- Developed and maintained structured evaluation pipelines leveraging Python, Pandas, and custom scripts to benchmark model performance across summarization, problem-solving, and code generation scenarios.
- Collaborated cross-functionally with AI researchers and backend engineers (Node.js, REST APIs) to flag failure cases and contribute to model fine-tuning cycles, enhancing output stability and integration into production systems.

DUTCH MONKEY DOUGHNUTS

Atlanta, GA

Operations Associate | Food Services

Jun 2022 - March 2025

- Operated consistently under high-pressure, early-morning shifts, executing time-sensitive prep of 30+ product racks before store opening with zero tolerance for delays.
- Maintained speed and accuracy under tight deadlines, balancing volume demands with quality control in a fast-paced production environment.
- Demonstrated reliability and resilience in a high-stakes, customer-facing setting, supporting daily operations through disciplined task ownership and rapid problem-solving.

PROJECTS

STOCK MARKET TRACKER

April 2025

Python, Tkinter, Pandas, Alpha Vantage API, mpl finance

- Designed and developed a desktop application from the ground up to fetch, analyze, and visualize real-time and historical stock data using the Alpha Vantage API and Python's Pandas library for data processing and transformation.
- Engineered a dynamic GUI with Tkinter, enabling user-driven selection of stock symbols, time intervals, and multiple technical indicators (SMA, EMA, RSI) for a flexible and interactive experience.
- Integrated mpl finance to implement candlestick charts and technical overlays, providing users with financial insight through responsive, real-time visual data representations.
- Managed asynchronous API calls and data caching to ensure low-latency interaction and reduce external call overhead, improving performance and user experience.

EMPLOYEE MANAGEMENT SYSTEM

Feb 2025 - May 2025

Java, MySQL, JavaFX, JDBC

- Developed a full-featured desktop application for HR management, implementing secure login workflows and role-based access control for employees and administrators using JavaFX.
- Built robust backend CRUD functionality to support real-world HR tasks, such as employee onboarding, salary updates, and payroll report generation, anchored by a MySQL database.
- Designed an interactive front-end interface with JavaFX and FXML, using TableView and ListView for dynamic, real-time data rendering that allowed for intuitive admin control and user feedback.
- Ensured secure and scalable database communication via JDBC, using prepared statements and structured queries to mitigate injection risks and uphold data integrity under concurrent access.

SKILLS AND INTERESTS

- **Technology/Skills:** Python, Java, SQL, Javascript, Tkinter, JavaFX/FXML, Pandas, mpl finance, JDBC, Alpha Vantage API, REST APIs, Asynchronous collaboration, CRUD, Version Control (Git), MS Office, G-Suite, Excel, HTML, CSS, Node.js
- **Interests:** Social Media, Community Service, Religious Studies, Entrepreneurship, Graphic Design
- **Certifications:** AZ-900 Azure Fundamentals, Career Essentials in Data Analysis by Microsoft and LinkedIn