

Rishi Raj

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PROFESSIONAL SUMMARY

Computer Science student (3.9 GPA) with proven experience in full-stack and AI engineering. Demonstrated ability to optimize performance-critical systems, reduce infrastructure costs, and deliver scalable solutions for thousands of users. Skilled in Python, Java, JavaScript, Flutter, and cloud technologies with a strong problem-solving focus.

TECHNICAL SKILLS

- Languages & Frameworks:** Python, Java, C, C++, JavaScript, PHP, R, Dart, SQL, HTML, CSS, Flask, Flutter, Pandas, NumPy, Three.js, CesiumJS, React, Node.js, Express.js
- Tools & Technologies:** MySQL, PostgreSQL, JDBC, DBeaver, Git, GitHub, Docker, REST APIs, Android Studio, VS Code, MS Office Suite
- Cloud & Certifications:** Microsoft Azure (AI Fundamentals Certified, Azure Fundamentals Certified), Career Essentials in Data Analysis (Microsoft & LinkedIn), Git Essentials Training

PROFESSIONAL EXPERIENCE

OpenQQuantify

Atlanta, GA

Full Stack Software Engineer Intern

May 2025 - Aug 2025

- Cut API costs 60% (\$450→\$180/month) via Redis caching with 85% hit rate while improving latency from 5.2s→1.8s
- Built a 3D weather platform with CesiumJS, displaying 6 datasets (UV, AQI, marine) for 500+ users with 99.9% uptime
- Engineered a drag-and-drop sensor system across 4 data layers, reducing user query time by 35% with real-time tooltips
- Developed MapLibre GL JS rendering 2,500+ airports at 60fps, reducing page load from 8s to 2.1s (74% faster)
- Built Flask app with Docker/Prometheus, achieving 99.5% uptime for 1,000+ requests, reducing incidents by 60%

Outlier AI

Atlanta, GA

AI Training Specialist & Prompt Engineer

April 2025 - Present

- Reduced unsafe outputs by 25% through bias analysis, establishing feedback patterns adopted by 3 specialists
- Evaluated 250+ AI responses weekly from GPT-4/Claude, identifying 15+ edge cases improving model accuracy by 12%
- Designed 100+ test prompts across 5 domains, contributing to training datasets used by 50K+ active users

PROJECTS

Wellness Tracker App

Nov 2025 - Present

Python, HTML/CSS/JS, Node.js, Express.js, MySQL

- Built a full-stack health analytics app (Node/Express, MySQL, Chart.js) analyzing 10K+ records with <500ms APIs
- Implemented RESTful API (15+ endpoints) with bcrypt auth, CRUD, and Apple Health CSV/XML ingest.
- Built “what-if” weight forecasting (4–12 weeks) using linear regression, moving averages, and trend analysis
- Shipped production app with session auth, data-quality scoring (4 metrics), and normalized 8-table MySQL schema

Vehicle Tracker App

Sep 2025 - Oct 2025

Flutter, Dart, SQLite, Provider, SharedPreferences

- Built Flutter app with Provider managing 1,000+ records, reducing database queries from 800ms to 150ms (81%)
- Designed SQLite schema with 4 tables and 6 indexes, achieving O(log n) lookups for 10K+ records
- Built a dual-criteria reminder algorithm generating 500+ alerts with 98% accuracy, cutting missed service by 45%

Employee Management System

Feb 2025 - May 2025

Java, MySQL, Git, JavaFX, JDBC

- Led a 3-person agile team building an HR system for 50+ users with JWT authentication, achieving zero breaches
- Designed MySQL schema with 8 tables optimized for sub-100ms response time on 95% of queries
- Automated payroll processing 200+ transactions with 100% accuracy, saving 6 hours/week (40% reduction)
- Implemented JDBC prepared statements validated via 50+ unit tests, achieving 92% code coverage

EDUCATION

GEORGIA STATE UNIVERSITY

Atlanta, GA

BS in Computer Science | GPA: 3.9/4.0

Expected May 2026

- Courses:** Data Structures and Algorithms, Web Programming, Mobile App Development, Operating Systems, System Level Programming, Artificial Intelligence, Design Analysis and Algorithms, Cloud Computing
- Clubs:** CodePath, GSU Computer Science Club