

# Salmaan Rauf

<https://salmaanrauf.dev>

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## EDUCATION

**California State University Fullerton**, Fullerton, CA

Expected Graduation: May 2026

Major: Bachelor of Science, Computer Science

Relevant Coursework: Object-Oriented Programming, Linear Algebra, Discrete Mathematics, Software Engineering, Filesystems & Databases, Machine Learning, Data Science, Applied Artificial Intelligence (In Progress)

## TECHNICAL SKILLS

**Development & Deployment:** C++, Python, Java, JavaScript/TypeScript, React.js, Next.js, Node.js, HTML/CSS, Material-UI, Firebase, Git/GitHub, AWS, Vercel, Clerk, PyCharm

**AI & Data Technologies:** Gemini, OpenAI, TensorFlow, Semantic Kernel, Azure AI Foundry, Retrieval-Augmented Generation (RAG), Pinecone, SQL, NLP, OpenRouter, Autogen, MCP

Architected and developing a multi-agent AI workflow to automate market research engagements that previously required 20–80 hours of manual analyst work

## EXPERIENCE

**Robert Half - Protiviti**, Remote

August 2025 - Current

Software Engineer - Generative AI

- Architected and developing a multi-agent workflow to automate market research engagements, saving 20-80 hours of manual analyst work per engagement

**Robert Half - Protiviti**, Remote

June 2025 - August 2025

GenAI Engineering Intern

- Architected and deployed a production-ready **multi-agent workflow** which automated data extraction and analysis across 8 internal and external sources
- Designed grounded **AI workflows** with Azure Foundry + Semantic Kernel, achieving zero hallucinations in evaluations
- Delivered a validated solution, cutting **3–5 hours** of manual work per request and scaling efficiency for a **full market research team** handling multiple requests daily

**Walt Disney**, Anaheim, CA

September 2024 - January 2025

AI Security Researcher

- Led a cross-functional team in implementing security measures for AI-driven systems - details restricted by NDA

**Develop For Good**, Remote

May 2024 - September 2024

Software Engineer

- Engineered a React-based web application to streamline volunteer distribution for over **15,000 people** across 65 impoverished villages in Colombia, significantly enhancing community outreach
- Integrated interactive mapping features with the Maps API to visually pinpoint underserved areas, improving resource allocation efficiency by **10%**
- Directed weekly sprint meetings to keep projects on track and guide team collaboration

**Headstarter AI**, Remote

June 2024 - September 2024

Software/AI Engineering Fellow

- Completed an intensive 8-week fellowship structured as 6 consecutive one-week sprints, rapidly mastering new full-stack technologies
- Independently developed and deployed 7 innovative full-stack projects under tight deadlines—projects originally designed for a team of 4

## PROJECTS

**LernlyAI** (<https://lernly-ai-1.vercel.app/>)

July 2024 - February 2025

- Engineered and deployed** a full-stack AI platform with **Firebase and Gemini** which generates structured flashcards from scratch, boosting exam performance by an average of **15% across ~ 40 active students**