

Salmaan Rauf

<https://salmaanrauf.dev>

714-249-0090 | www.linkedin.com/in/salmaan-rauf | raufsalmaan@gmail.com | <https://github.com/SalmaanRauf>

EDUCATION

California State University Fullerton, *Fullerton, CA*

Expected Graduation: May 2026

Major: Bachelor of Science, Computer Science

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Linear Algebra, Discrete Mathematics, Software Engineering, Filesystems and Databases, Machine Learning, Data Science(In Progress)

TECHNICAL SKILLS

Development & Deployment: C++, Python, React.js, Java, JavaScript, NodeJS, HTML, CSS, TypeScript, Next.js, Material-UI, Firebase API, Git, GitHub, Pycharm, AWS, Vercel, Clerk, Stripe

AI & Data Technologies: TensorFlow, Openrouter, OpenAI, Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), GoogleGenerativeAI, PaLM API, Pinecone, SQL

EXPERIENCE

Walt Disney, *Anaheim, CA*

September 2024 - Current

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 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 a full-stack flashcard app currently serving ~ **40 active users**, converting raw text into concise, mind-mapped flashcards that drive an average exam grade improvement of **15%**
- Crafted strategic system prompts with Google Generative AI to extract and prioritize key concepts for effective learning
- Integrated Firebase for secure storage, Clerk for seamless authentication, and Stripe for efficient payment processing.

RMP_Chart (https://github.com/SalmaanRauf/RMP_RAG)

July 2024 - Current

- Developed a Retrieval-Augmented Generation (RAG) AI assistant for Rate My Professor using Next.js, React, Pinecone, and OpenAI, enhancing response accuracy and context-awareness
- Integrated Pinecone's vector database with OpenAI's language model through RAG to deliver precise, human-like answers to complex user queries
- Currently expanding the project by implementing a web scraper to gather all RateMyProfessor ratings for CSUF, integrating them into the vector database, enabling students to inquire about any professor they may be taking

PantryTracker (<https://inventory-management-seven-lime.vercel.app/>)

July 2024 - Current

- Developed Web Application using React.js and Next.js for efficient pantry management
- Implemented Firebase API for database and user management; deployed MVP to Vercel
- Integrating Computer Vision API for image recognition to automatically identify and add items to pantry
- Planning to incorporate Spoonacular API to suggest recipes based on current pantry inventory