

SUFYAN CHAUDHRY

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SUMMARY

I am a new Computer Science Graduate and an aspiring Software Engineer. I have worked on a variety of projects in both individual and group settings. I have been working with programming languages both inside and outside of University for the last three years and look forward to gaining more experience. While gaining this experience I have also been able to get various certifications.

EDUCATION

Bachelor of Science in Computer Science Lewis University, Romeoville, IL	May 2024 GPA: 3.7
Python Language Proficiency Certification College of DuPage, Glen Ellyn, IL	August 2022
Certificate in Java Language College of DuPage, Glen Ellyn, IL	May 2023
AWS Certified Cloud Practitioner Amazon Web Services (AWS)	February 2024

WORK EXPERIENCE

Headstarter AI July 2024 – September 2024

Software Engineering Fellow

- Built and deployed 5 AI projects in 5 weeks using **React JS**, **Next.js**, **Firebase**, **Clerk**, **Vercel**, and **AWS**, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Memory Base
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using **OpenAI's GPT Turbo API**. Integrated a paywall and custom pricing plans using the **Stripe API** and **Clerk API** to retain the user's cards and allow them to continue when signing back in. The data was stored in a **Firebase** database. ([GitHub](#)) ([Product](#))
- Implemented a web scraper that automatically extracts data from Rate My Professor and upserts it to a **Pinecone** index. Integrated with a RAG pipeline using the **Hugging Face API** for embeddings and **OpenAI's API** through **OpenRouter** to provide up-to-date and relevant answers to user queries. ([GitHub](#)) ([Product](#))
- Participated in weekly sessions with engineers and founders from Google, Y Combinator, Stanford, Amazon, and venture-backed startups

Air Care Heating and Cooling Company, Chicago, IL May 2019 – May 2024

Assistant Manager

- Addressing unpaid invoices and collaborating with clients to devise a payment plan
- Learning hands-on skills to assist in the installation and removal of units
- Collaborating with others in roles of management to improve employee salaries and benefits
- Digitalizing invoices and establishing a presence online, improving productivity and efficiency
- Mediated between employees to balance work schedules and inter-compatibility to determine work partners

SKILLS

LANGUAGES:

Python | Java | SQL
JavaScript | HTML | Material UI
CSS | Linux | C++ | Git

APPLICATIONS:

Microsoft Office (Access, Word, Excel)
AWS | GitHub | Visual Studio Code | Postman
Firebase | Flask | React | Next.js | Vercel

PROJECTS

<https://github.com/sufyan360>

FindTune ([GitHub](#))

<https://findtune-seven.vercel.app/>

- Built a web application using **React** that integrates the **Web Speech API** for speech recognition, allowing users to search for songs by speaking lyrics or titles. The application fetches song data from the **Spotify API**, displaying details such as album art, artist information, and song previews. The front end is styled with **CSS**, while asynchronous operations and API interactions are managed using **JavaScript** and **React** hooks. This project showcases skills in API integration, speech recognition, and dynamic UI rendering for an enhanced user experience.

MentalHealth Support Bot ([GitHub](#))

<https://ai-customer-support-gamma.vercel.app/>

- Developed a personalized mental health support bot using **Next.js** and **React**, integrated with **OpenAI** and **OpenRouter APIs** to deliver streaming responses tailored for mental health queries. Utilized **MUI** and **JavaScript** for the front-end design, ensuring a user-friendly interface. Deployed the application on an **AWS EC2 instance** for robust performance and scalability. Implemented **Google Analytics** to track user interactions and optimize the bot's effectiveness.

Pantry Tracker ([GitHub](#))

<https://pantry-tracker-silk.vercel.app/>

- Developed a dynamic web application using **Next.js** and **React** to enable users to search, add, remove, and view items stored in a **Firebase** database. The project features a user-friendly interface designed with **MUI** and leverages **Google Analytics** for tracking user interactions. The application is deployed on **Vercel** for seamless performance and scalability.

Bite Finder ([GitHub](#))

- Engineered a web application using **Python**, **Google Maps API**, **Google Places API**, **HTML**, **CSS**, **JavaScript**, and **Flask** framework. This application utilizes the user's location to recommend nearby restaurants based on selected cuisines. Users can view a list of restaurants and see their locations, with respect to the entered location, on an interactive map. Clicking on restaurant names or map markers provides detailed location information.