# SUFYAN CHAUDHRY

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## SUMMARY

I am a Computer Science graduate and Software Engineer. I have been coding for the last 3 years. I have Full-stack experience working with an array of technologies such as Python, Java, JavaScript, and SQL.

## EDUCATION

**Lewis University, Romeoville, IL**                                                                                              May 2024
Bachelor of Science in Computer Science
**Relevant Coursework**: Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, Operating Systems, Deep Learning, Programming Languages, Introduction to Unix, Assembly Language x86

## WORK EXPERIENCE

**Software Engineering Intern**                                                                                          September 2024
Olea AI
- Worked directly with the founders to create a Saas product that allows the user to talk with an AI ChatBot to learn about MPox and see if they have any symptoms users are also able to search for nearby medical facilities. (Product)
- Created a social media web scraper that processes the data to determine the amount of misinformation present regarding Mpox. The data is visualized and we can see the geometric regions where the misinformation is coming from and the change in the amount of misinformation over time.

**Software Engineering Fellow**                                                                    July 2024 – September 2024
Headstarter AI
- Built and deployed 5 AI projects using **React JS**, **Next.js**, **Firebase**, **Vercel**, and **AWS**, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- 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.** Used **Clerk API** and **Firebase** to retain the user's cards and allow them to continue when signing back in. (GitHub) (Product)
- Implemented a program that takes a data file 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 about the data. (GitHub) (Product)

## PROJECTS                                                                                                        github.com/sufyan360

**FindTune** (GitHub)                                                                                      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.

**DownSupport** (GitHub)                                                            ai-customer-support-gamma.vercel.app/
- Developed a mental health support bot using **Next.js** and **React**, integrated with **OpenAI** and **OpenRouter APIs** to deliver streamed responses tailored for mental health queries. Built a user-friendly interface using **MUI** and **JavaScript** and deployed the app on an **AWS EC2 instance**.

**Stock Exchange** (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 **Firebase**. The project features a user-friendly interface designed with **MUI** and leverages **Google Analytics** for tracking user interactions.

## SKILLS

**Proficiencies:** Python | Java | SQL | JavaScript | HTML | Material UI | CSS | Linux | C++ | Git | AWS
GitHub | Visual Studio Code | Postman | Firebase | Flask | React | Next.js | Vercel
**Certifications:** AWS Cloud Practitioner | Python Language Proficiency | Java Language Proficiency