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.

WORK EXPERIENCE

Software Engineer Intern   September 2024
Olea Health **(React**, **Node.js**, **REST APIs, AWS, EC2, JavaScript, OpenAI, Firebase, Chart.js, NLP)**
- Created a Saas AI ChatBot using **React**, **Next.js**, and **REST APIs** so users can learn about MPox and its symptoms. Users can also search for nearby medical facilities and hospitals.
- Created an **NLP algorithm** to analyze the spread of misinformation regarding MPox and visualized it to assist with research.

Software Engineering Fellow   July 2024 – September 2024
Headstarter AI **(React**, **Node.js**, **AWS, EC2, JavaScript, OpenAI, Firebase, Stripe, Clerk)**
- Developed 5 AI projects following agile methodologies resulting in 20% faster deployment cycles
- Created a SaaS product implementing **OpenAI's GPT Turbo API** that generates dynamic flashcards based on any topic. Integrated a paywall and pricing plans using the **Stripe API** and user authentication and storage using **Clerk API** and **Firebase**. (GitHub) (Product)
- Created a program that takes a file and upserts it to a **Pinecone** index integrated with the **Hugging Face API** via a RAG pipeline. Used **NLP** and embeddings to answer user queries. (GitHub) (Product)

EDUCATION

Lewis University, Romeoville, IL   May 2024
Bachelor of Science in Computer Science   GPA: 3.8/4.0
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, Operating Systems, Deep Learning, Programming Languages, Introduction to Unix, Assembly Language x86

PROJECTS   github.com/sufyan360

FindTune (GitHub)   find-tune.vercel.app/
- Integrated the **Spotify AP**I with **speech integration** allowing users to search for songs by speaking lyrics or titles. The application displays the matching results with more than **95% accuracy**.

DownSupport (GitHub)   down-support.vercel.app/
- Developed a chat bot using **Next.js** and **React**, integrated with **OpenAI** 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** with **90% user satisfaction**.

Pantry Tracker (GitHub)   pantry-tracker-silk.vercel.app/
- Redesigned a **Next.js** and **React** application to enable users to search, add, remove, and view items stored in **Firebase**. **Increased functionality and user satisfaction by more than 75%.**

Bite Finder (GitHub)
- Engineered a web application using **Python**, **Google Maps API**, **Google Places API**, **HTML**, **CSS**, **JavaScript**, and **Flask** framework. This application recommends nearby restaurants based on selected cuisines. Users can view a list of restaurants and a map with their locations.

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 | REST APIs
Certifications: AWS Cloud Practitioner | Python Language Proficiency | Java Language Proficiency