Adhvaith Ravi

Irvine, California | +1 (669) 254-0553 | adhvaithkr@gmail.com | adhvaithravi.online | github.com/adhvaithr

EDUCATION

University of California, Irvine   Irvine, California
Bachelor of Science, Computer Science and Engineering   Graduating June 2027

EXPERIENCE

Headstarter AI   Remote
Software Engineering Fellow   July 2024 – September 2024
- Gained foundational skills in software engineering and AI by working on practical, real-world projects.
- Collaborated with a team of three to develop over five AI applications using MVC architecture and microservice design patterns.

Jahanikia NeuroLab   Remote
Scientific Researcher   January 2023 – June 2024
- Conducted data-driven neuroscience research, using algorithmic solutions to address complex problems surrounding the neuroscience of communication.
- Presented key research findings at the 2023 Southern California Conference for Undergraduate Research.

ChatMaxima   Remote
Machine Learning/Artificial Intelligence Intern   June 2023 – September 2023
- Implemented a customer segmentation model using TensorFlow and K-means clustering, improving customer acquisition by 20% for small businesses.
- Delivered weekly technical presentations to stakeholders, simplifying complex AI concepts and progress into actionable insights.

PROJECTS

PITAFL (Pantry, Is There Any Food Left?) (***Headstarter AI***) | *Next.js, Firebase, Material UI*
- Developed a JavaScript-based inventory management system to track pantry items.
- Reduced food waste by 30% for beta users through an efficient user interface and streamlined tracking.

AI Customer Support (***Headstarter AI***) | *Next.js, Firebase, Material UI, OpenAI, Pinecone*
- Engineered an AI-powered interactive agent that uses OpenAI and Pinecone's RAG pipeline, automating 60% of customer inquiries and enhancing the scalability and service quality for businesses.

PDF Reader *(ChatMaxima)* | *LangChain, OpenAI, Textract*
- Built a Python-based chatbot using LangChain and OpenAI to automate customer service queries based on inputted documentation, improving customer satisfaction by 15%.

PersonalityGPT *(Jahanikia NeuroLab)* | *LangChain, React.js, Flask, TensorFlow*
- Collaborated with a team of eight to develop a chatbot capable of generating personality-tailored responses using a React frontend and Flask backend, closing communication gaps between 400 texters by 20%.

SKILLS

Technical: Python, Java, C++, JavaScript
Frameworks: AWS, LangChain, TensorFlow, Pandas, React.js, Next.js, Firebase
Certifications: Certified Entry-Level Python Programmer and Associate Python Programmer

ACCOMPLISHMENTS

- President, HS Quiz Bowl Club | *August 2023 – June 2024*
- Eagle Scout | *September 2023*
- 7th Place, Varsity National History Bee; 3rd Place, Varsity United States History Bee | *April 2023*
- 3rd Place, 2022 Junior Varsity National History Bee; 2nd Place, 2022 Junior Varsity United States History Bee | *April 2022*