Adhvaith Ravi

adhvaithr7@gmail.com | 669-264-0553 | GitHub: adhvaithr

PROFESSIONAL SUMMARY

Python and AI enthusiast and incoming college freshman seeking to develop experience in applying solutions in the real world using machine learning techniques.

EXPERIENCE

ChatMaxima   Remote
Machine Learning/Artificial Intelligence Summer Intern   June 2023 – September 2023
- Prototyped and engineered PDF generative AI question-answer chatbot using Python and Textract to store PDF content and OpenAI to generate answers, improving customer engagement by 10%
- Compiled competitive intelligence report of 20+ direct and indirect competitors to identify 5 new additional product features
- Programmed and optimized 85% customer segmentation model for customers with Python and TensorFlow using K-means clustering that optimized customer flow by 20%

Jahanikia NeuroLab   Remote
Student Researcher   January 2023 – June 2024
- Developed REST API implementing large language models for note-taking functionalities on neurodivergent student platform for 200+ young adults
- Collaborated with cross-functional teams to develop generative AI chatbot functionalities using LangChain, closing communication gaps in texting by 20%
- Presented research findings at 2023 Southern California Conference for Undergraduate Research

PilotCity, Inc.   Remote
Data Scientist/Software Engineer   November 2022 – September 2023
- Automated population of 100+ course and bell schedules using AirTable for creation of "teacher cheat sheets", expanding outreach of program by 20%
- Performed exploratory data analysis using Pandas on dataset of over 2,000+ student records to inform success initiatives, contributing to a 10% increase in program retention.
- Built interactive activity pages for student programs, enhancing user experience for 400+ students

Cognixion   Remote
Machine Learning Summer Intern   June 2022 – August 2022
- Pre-processed dataset of approximately 1220 commonly used Gen-Z phrases, enhancing the user experience for Gen-Z and Generation Alpha users
- Developed an intent classification model with 90% accuracy with TensorFlow, streamlining phrase categorization for assistive technologies
- Presented model development processes at expository attended by 100+ exceptional undergraduate students and industry professionals.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, HTML, CSS, SQL
- **Frameworks:** Flask, TensorFlow, OpenAI, LangChain, Pandas, React, Next.js
- **Development Tools:** Git, GitHub, Docker, VS Code, AWS Lambda, AWS API Gateway

EDUCATION

University of California, Irvine   Fremont, California
Computer Science and Engineering   September 2024 —

Washington High School   Fremont, California

Computer Science   August 2020 — June 2024

    Certifications: Certified Entry-Level Python Programmer (PCEP), Certified Associate Python Programmer (PCAP)

    Relevant Coursework: AP Calculus BC, AP Computer Science A, Beginning Programming Methodologies in C++, Intermediate Programming Methodologies in C++, Data Structures and Algorithms

DeepLearning.ai   Remote

    Relevant Courses: ChatGPT Prompt Engineering, LangChain: Chat with Your Data, LangChain for LLM Application Development, Building Systems with the ChatGPT API