Thrisha Kopula

thrishak1@gmail.com | (669) 233-1495 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

University of California Davis   **September 2023 - March 2025**
Master of Science in Computer Science
University of California Santa Cruz   **September 2019 - June 2023**
Bachelor of Science in Computer Science Game Design with a Minor in Computer Science

WORK EXPERIENCE

University of California Santa Cruz   **Nov. 2021 – Sep. 2023**
Frontend Developer   **Santa Cruz, CA**

- Maintained 3 university websites, ensuring functionality, accessibility, and up-to-date content
- Utilized the web-based WCMS (Web Content Management System), HTML, and CSS to enhance and customize 10+ pages on the university website
- Developed responsive web interfaces from UI/UX designs using HTML and CSS, ensuring cross-device compatibility
- Debugged layout issues, interactive bugs, and broken links to enhance user experience

Autodesk   **Jun. 2022 – Sep. 2022**
Software Engineer Intern   **Remote**

- Programmed in Typescript with React native to resolve errors and wrote 5+ extensive unit tests using Jest to ensure proper operation of code and integrated CI/CD pipelines for automated testing and deployment
- Worked with multiple teams in software and UX to design and engineer a high-fidelity prototype using Figma to improve upon a filter panel that needed to be translated using a newer design structure
- Contributed to fixing 10+ bugs, improving overall application stability and performance
- Conducted performance analysis to troubleshoot and optimize application efficiency

Research

UC Davis Quadcopter Game System   **Apr. 2024 – Feb. 2025**
Graduate Research Assistant   **Davis, CA**

- Assisted in research on a multiplayer AR quadcopter game system at UC Davis, developing a Unity-based game to test functionalities, analyzing data, optimizing performance, and refining game development and research skills.

Projects

Supportly

- Built a Retrieval-Augmented Generation (RAG) mental health chatbot using ChromaDB for search and GPT-3.5 for generative responses, integrating FastAPI with sentence-transformer embeddings for enhanced FAQ retrieval and session-based context-aware replies

Reddit Sentiment Analysis

- Analyzed 1,000+ Reddit posts across 10 subreddits, built classification models (Naive Bayes, SVM, Logistic Regression, Random Forest) achieving 96% accuracy, and identified a 20% correlation between comment count and post score, highlighting engagement's impact on popularity

FitFlow

- Developed an iOS app using Swift and Xcode that matches user tracks with their BPM, integrating real-time BPM tracking via HealthKit, Spotify song recommendations, user authentication, and API integration to enhance workout experiences

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AWS AI Practitioner
- **Software:** TypeScript/JavaScript, React, React Native, NodeJS, Swift, Kotlin, HTML/CSS, Python, C++, C#, C, Java, PostgreSQL, Go, TensorFlow, PyTorch, NumPy, pandas, Scikit-learn, Docker, ChromaDB, FastAPI, CI/CD
- **Design:** Unity, Unreal, Figma, Figjam, MaterialUI, Adobe Illustrator, Adobe After Effects