

ARCHI MEHTA

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Objective: Seeking a Summer 2025 Internship with a focus in Software Engineering and Cybersecurity.

EDUCATION

University of Central Florida, Orlando, FL

Expected Graduation: May 2027

Bachelor of Science in Computer Science, Burnett Honors College

Relevant Coursework: Data Structures and Algorithms I, Object Oriented Programming, Security in Computing, Intro to Discrete

Honors: National Merit Scholar, President's Honor Roll, Imagine Believe Realize Futures in Technology Scholar

Cumulative GPA: 4.0

SKILLS

Programming Languages: C (proficient), Python (proficient), Java (proficient), HTML (intermediate), JavaScript (intermediate)

Libraries: React, Next.js, Spring, Material UI, Framer Motion, T3 Stack, Tkinter, Pytorch

Tools/Platforms: Windows, Linux, Vercel, Node.js, GitHub, VSCode, Code::Blocks, Firebase, SQLite, Open AI API, Microsoft Office

EXPERIENCE

Code The Dream

08/2024 – Present

Python Curriculum Developer & Instructor

- Constructing a curriculum involving databases, web scraping, data cleaning, wrangling, aggregation, and visualization to provide introductory Python instruction and generating teaching materials for students from diverse low-income backgrounds
- Creating scripts and supplemental video content to explain the written curriculum, providing a walkthrough of weekly assignments, and assist in building data-driven applications
- Dedicating 4-5 hours weekly for mentoring and supporting groups of about 20 students through one-on-one communication while collaborating with other instructors to improve curricular instruction based on feedback received

Headstarter AI Software Engineering Fellowship

07/2024 – 08/2024

Fellow

- Developed 5 dynamic web applications integrating Node.js, Next.js, React, OpenAI, Pinecone, Stripe AI, and Firebase over the course of 6 weeks
- Received expert coaching from industry leaders including Amazon, Bloomberg, and Capital Engineers, broadening knowledge and professional networks
- Leveraged advanced technologies to produce innovative projects, and showcased the results to other fellows and mentors

PROJECTS

MixerAI | Languages: JavaScript, HTML, CSS

10/2024

- Brainstormed, designed, and created an AI-powered DJ mixer learning tool that implements Spotify API metadata and OpenAI to generate the optimal transition settings between two songs using metrics like tempo, key, time signature, and genre
- Dedicated 36 hours for the entire process from brainstorming to deployment and submitted to the 2024 UCF Hackathon, receiving 2nd place in the "First-Time Hackers" judging bracket

Ultimate Tic Tac Toe | Language: Python

09/2024

- Implemented the T3 Stack and Tkinter interface to produce and deploy a type-safe Ultimate Tic Toe mini game through a collaborative workshop with Knight Hacks team members
- Engaged in a group effort to map the logic for the mini game and conducted extensive debugging to reach a solution

Customer Support AI Chat | Languages: JavaScript, HTML

08/2024

- Created a customer support AI chatbot web application utilizing Next.js, React, OpenAI API, and Material MUI
- Developed a responsive web application featuring a chat interface for handling diverse user queries and enhance user satisfaction

EXTRACURRICULARS

Girls Who Code (Member): Brainstorm and design novel web applications on the projects team and mentor high school students as part of the Mentoring Corps

Knight Hacks (Member): Participate in workshops, attend industry events and network, and compete in the 2024 UCF Hackathon

Association for Computing Machinery (Member): Attend panels with employees in leading industry giants and partake in interdisciplinary projects integrating hardware and software