

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, T3 Stack, Tkinter

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

RELEVANT 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.
- 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 cutting-edge web apps integrating APIs, Next.js, React, OpenAI, Pinecone, Stripe AI, and Firebase for dynamic and responsive solutions.
- Received expert coaching from industry leaders including Amazon, Bloomberg, and Capital Engineers, broadening knowledge and professional networks.
- Leveraged advanced technologies to produce innovative projects, showcasing proficiency and adaptability with new skillsets.

PROJECTS

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.

Brevard Humane Society Mobile Application | *Language: Kotlin*

03/2021

- Shadowed an applications developer to develop an Android mobile application for a local humane society with a login screen, menu selection pane, and catalog of the services offered in Kotlin.
- Communicated with Brevard Humane Society staff to integrate necessary functions into the user interface.

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.