Pratham Hebbar

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EDUCATION

University of California, Irvine Graduation: June 2028

B.S. Computer Science

Coursework: Introduction to Python Programming, Programming with Software Libraries

Skills: Python, Swift, Javascript (basic-intermediate)

EXPERIENCE

University of Michigan-Flint **Remote**

Computer Science Research Intern for Professor Uludag February 2023 – July 2023

- Researched artificial intelligence based intrusion-detection systems and the applications of deep learning in the security space to answer how well artificial intelligence intrusion detection systems can detect cyber attacks in real-time
- Found that CNN-LSTM can correctly identify the total percentage of non-attacks and differences between CNN-LSTM and LSTM-CNN in terms of precision, recall, and F-score

PROJECTS

Palendar **Remote**

Founder April 2021 – January 2022

- Spent months working on an iOS app that simplifies the process of scheduling social engagements with peers
- Designed the app icon and app store screenshots in Figma
- Used Swift as the programming language and Firebase for remote database storage

AI Flashcards Web App **Remote**

Headstarter AI Fellowship July 2024 – Aug 2024

- Collaborated with another intern on a web app using Next, Javascript, Firebase, Material UI, OpenAI
- Used Next for the server-side application rendering, Javascript as the programming language
- Used Firebase for storage and retrieval, Material UI for the front end, and OpenAI to generate the flashcards

Pantry Tracker Web App **Remote**

Headstarter AI Fellowship July 2024 – Aug 2024

- Developed a website application using Next, Javascript, Firebase, Material UI
- Used Next for the server-side rendering of our application, Javascript as the programming language
- Used Firebase for storage and retrieval, and MaterialUI for the front-end

PUBLICATIONS

University of Michigan-Flint **Remote**

Student Researcher Feb 2023 – July 2023

How well can AI-IDS detect cyber attacks in real-time? | The Accuracy and Efficiency of Artificial Intelligence Intrusion Detection Systems and Deep Learning