

Pratham Hebbar

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EDUCATION

University of California, Irvine

Graduation: June 2028

Bachelor's degree. Computer Science

Coursework:

- Introduction to Python Programming
- Boolean Algebra and Discrete Structures
- Programming with Software Libraries
- Intermediate Python Programming

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. These neural networks are generally pretty accurate on their datasets for most cases, but are prone to making errors when classifying attacks and non-attacks

PROJECTS

Palendar

Remote

Founder

April 2021 – January 2022

- Developed an iOS app using Swift that simplifies the process of scheduling social engagements with peers
- Designed the app icon and app store screenshots in Figma.
- Published to the App Store in Jan 2022 with over 85 users.
- No longer on the App Store as of Nov 8, 2024

AI Flashcards Web App

Remote

Headstarter AI Fellowship

July 2024 – Aug 2024

- Developed a web app using Next, Javascript, Firebase, Material UI, OpenAI, with another fellow intern
- Used Next for the server-side application rendering, Javascript as the programming language, 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 this website application using Next.js, Javascript, Firebase, Material UI
- Used Next for the server-side rendering of our application, Javascript as the programming language, 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](#)