Pratham Hebbar

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EDUCATION

University of California, Irvine <div align="right">Graduation: June 2028</div>

Bachelor's degree. Computer Science

Coursework:

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

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

EXPERIENCE

University of Michigan-Flint <div align="right">**Remote**</div>

Computer Science Research Intern for Professor Uludag <div align="right">February 2023 – July 2023</div>

- 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 <div align="right">**Remote**</div>

Founder <div align="right">April 2021 – January 2022</div>

- 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 <div align="right">**Remote**</div>

Headstarter AI Fellowship <div align="right">July 2024 – Aug 2024</div>

- 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 <div align="right">**Remote**</div>

Headstarter AI Fellowship <div align="right">July 2024 – Aug 2024</div>

- 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 <div align="right">**Remote**</div>

Student Researcher <div align="right">Feb 2023 – July 2023</div>

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