

Meenakshi Iyer

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Searching for a position where I can contribute to an engineering team. Interested in learning to build cybersecurity technologies in a professional and collaborative environment.

PERSONAL PROJECTS

Closest Cans

April 2021

LA Hacks

- A mobile application for users to locate the nearest trash can, in order to increase recycling
- Used MySQL and FastAPI in conjunction with Google Maps API to create a database and server
- Written mainly in React and ReactNative
- Enhanced teamwork and collaboration skills

AutoGippity

August 2023

Personal Project following a Udemy Course

- Developed a AutoGPT-based bot to write code given input
- Primarily written in Rust, and working on further development
- Uses OpenAI API to process text input and creates web server hosted on localhost with all specifications requested

EDUCATION

University of Massachusetts, Amherst

Expected Spring 2025

Bachelors of Science in Computer Science

Amherst, MA

Relevant Coursework: Statistics, Calculus, Data Structures and Algorithms, Physics I & II, Computer Systems

Programming, Discrete Math, Linear Algebra, Operating Systems, Computer Programming Methodologies, Algorithms

EXPERIENCE

FuseUMass

Amherst, MA

Head of Technology

Aug 2022 - Present

- Updated the website of HackHer413 using HTML, CSS, JS, etc.
- Developed Dashboard, the backend for 500+ participants to apply and submit their projects
- Used Ruby and Rails in conjunction with SendGrid for emails and Azure for database

Tantiv4

Santa Clara, CA

Software Engineering Internship

June 2021 - Aug 2021

- Broke down router data to compile user data per household for users to track internet use.
- Implemented basic ML models (linear regression) using attributes such as download, upload, packages, etc.
- Built Python script integrating Numpy, Pandas, Tensorflow

Art of Problem Solving

Lexington, MA

Academic Tutor

Oct 2021 – May 2023

- Hosted office hours for students in all math levels up till Linear Algebra
- Assisted students on homework, reviewing exams, and preparing for AMC 8/10
- Spent 10+ hours/week grading exams and projects for instructors

Front Desk Associate

Oct 2021 - Sept 2023

- Introduced parents to the AoPS curriculum, and our classes offered
- Managed incoming emails and phone calls regarding absences, tuition, homework, etc.
- Enhanced administrative experience with Gmail, Slack, Docs, Excel

TECHNICAL SKILLS

Programming: Python, Java, Javascript, C, C++, SQL, ReactNative, HTML, CSS, Rust

Engineering: MATLAB, AutoCad, Excel, Desmos

LEADERSHIP

Club Water Polo

HackHer & HackUMass Director of Technology

