

Vibhas Ramani

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EDUCATION

University of Maryland

Bachelor of Arts in Computer Science

College Park, MD

Aug. 2023 – May 2027

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, Typescript HTML/CSS, R, Assembly, Ocaml, Rust

Frameworks: React, JUnit, FastAPI

EXPERIENCE

Children's National Hospital - AppDev

February 2025 – Present

Software Engineer

College Park, MD

- Implemented a brain scan AI model which used ABIDE datasets and a brain atlas into the web application using nibabel, numpy and FastAPI
- Streamlined data from a supabase database into a responsive, paginated table with FastAPI, React and Tailwind styling
- Arranged a registration system using FastAPI, supabase and react router doms

Children's National Hospital - AppDev

September 2024 – March 2025

Software Engineer

College Park, MD

- Developed and designed the website for the Chest X-Ray Analysis Tool for Children's National Hospital alongside 15 fellow AppDev members
- Built responsive front end components using React, media queries and Sass: interactive upload cards, dynamically updated tables linked to supabase and loading models
- Integrated Supabase for authentication and simulated a PACS system query to support secure and efficient image retrieval

Bitcamp

April 19 – 21 2024

Backend Developer/Coordinator

College Park, MD

- Built a Chrome extension, Marshie Guard, using Json Parsing and dynamic API calls to detect malicious links and email breaches
- Constructed a chrome crawler functionality to detect links anywhere on the web to save the users hassles of copying and pasting links into the chrome extension
- Awarded the Marshmallow Maker prize for outstanding innovation and design in cybersecurity tools

AppDev Club at UMD

January 2024 – May 2024

Boot-camp Member

College Park, MD

- Designed a personal portfolio with React and CSS styling, implementing local storage, animated effects and responsive routing
- Developed an interactive calendar using CSS grid and flexbox styling
- Manipulated MongoDB databases in order to facilitate storing data more securely

Hillel Academy, Jamaica

February 2022 – March 2023

Head Boy of the Prefect Body

Kingston, Jamaica

- Led a prefect body of 50 students with an executive team of 6, increasing discipline compliance by 80% among a student body of 300+
- Organized major school initiatives including Spirit Week, Talentless Talent Show, and Panther Day of Play, strengthening school spirit and community engagement
- Acted as mediator in student conflict, enhancing communication between prefects and school administration

AWARDS

IB Hillel Award- Board of Directors Phillip Henriquez - June 2023

Nationals Second Place, World Robotics Olympiad- October 2018

RazzleDazzle Award, Bitcamp- April 21, 2024

OMSE Academic Excellence Award- Nominee for 2024

Creativity, Activity and Service Honor Award- Acting Director Lori Ann MacMillan-Thompson - June 2023

Citizenship Award- Guidance Counselor Hopal McClintock - June 2023