

Aneesh Ereddy

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TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, HTML/CSS

Frameworks: React/React Native, Node.js

Developer Tools: Git, VS Code, Arduino, PyCharm, IntelliJ, Eclipse, Turing, Ready To Program

PROJECTS

RelaxED AI | *Hackathon Winner* | *React, MongoDB, TypeScript, Express, Node, Python, C* September 2024

- Second place winner for Best Hardware Hack at Hack the Hill II, working on a team of four, programming the software side of the project.
- Integrated and fine-tuned OpenAI model for enhanced performance and personalized responses.
- Created secure accounts using hashed passwords and authentication tokens, with client-server communication using Express.js
- Worked on implementing and designing the Front-end using React

TerraSphere | *React Native, Tailwind, Redux Toolkit* August 2024

- Terrahacks hackathon submission that incentivizes eco-friendly behavior/activities
- Used OpenAI API and custom prompts in order to decipher the contents of pictures taken by the user.
- Implemented Google Maps API to integrate a 'Park Finder' screen into the application
- Programmed and designed the GUI using React Native and Tailwind CSS

3D-Printed Armbot | *C++, Arduino, CAD*

- Designed the base and arms of the robot using CAD
- Used Arduino electronics, servo motors, joysticks along with 3D printed parts to put together
- Code written in C++ using Arduino

EXPERIENCE

uORover Member Sep. 2024 – Present
University of Ottawa *Ottawa, ON*

- Helping develop a Mars Rover prototype that will be tested in a NASA test facility
- Working along side a team of engineers, creating the robotic arm aspect of the rover
- Working on creating a safer and more efficient PCB by upgrading motor and linear actuator connection types

Lifesaving Swim Instructor and Lifeguard July 2022 - August 2023
Town of Whitchurch-Stouffville & Camp Green Acres *Markham-Stouffville, ON*

- Taught over 150 swimmers in multiple low-high level lifesaving courses
- Worked alongside a lifeguard team of 4, demonstrating leadership and teamwork skills
- Managed a safe and secure pool environment by enforcing pool policies, rules, and procedures and looked over the city's competitive swim team

EDUCATION

University of Ottawa Ottawa, ON
Bachelor of Science in Computer Engineering (CO-OP) Sep 2023 - Apr 2028