

Jaavin Mohanakumar

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EDUCATION

McMaster University | Bachelor of Engineering | Hamilton, ON **Sept. 2022 – Apr. 2027**

- Admitted with the Faculty of Engineering Award of Excellence Scholarship (Final Admission Average 95%+)

EXPERIENCE

Assistant Project Manager | [McMaster Rocketry Team](#) | Hamilton, ON **Nov. 2022 – Present**

- Work as a point of contact between the controls sub-team with 15 members and the project manager
- Managed the team's timelines coordinating tasks with the entire team of over 70 members
- Responsible for preliminary design review presentation for a panel of Launch Canada 2023 judges
- Led the IREC Spaceport America Cup 2023 Project Technical Report overviewing the design

Software Development Co-Lead | [FIRST Robotics Team 1325](#) | Mississauga, ON **Sept. 2021 – Jun. 2022**

- Led the design, implementation, and testing of software systems in **Java** for a 120lb competitive robot
- Innovated in autonomous programming using **PID controllers**, **control systems** and **computer vision**
- In this community robotics team, the robot that has won many competitions, and was awarded the Excellence in Engineering Award at FIRST Robotics World Championship in Houston

Front-End Developer | [Huff Language](#) | Remote **Jun. 2022 – Aug. 2022**

- Designed and developed the documentation website for the Huff Language open-source project utilizing **CSS** and **VuePress** for a website used by over 5000 active users (docs.huff.sh)
- Collaborated with former [Rari Capital](#) employee on creating smart contracts on the EVM with **Solidity**

Committee Member | [Engineering 1 Operating Committee](#) | Hamilton, ON **Oct. 2022 – Present**

- Consulted with the director of engineering, administrators, and instructors about enhancing the Engineering 1 program, as a student voice for over 1000 engineering 1 students
- Developed strategies providing 200+ students at risk with support centers for math, chemistry, and physics
- Reviewed Canadian Engineering Accreditation Board (CEAB) Attribute Summary to assess school's goals

PROJECTS

Front-End Developer | [Route Mixer](#) | NewHacks 2022 **Nov. 2022 – Nov. 2022**

- Designed the frontend for website using **React** and **CSS**, and implementing the **Google Maps API**

Back-End Developer | [Flashback-IRC](#) | Summer Code Jam 2020 **Aug. 2020 – Aug. 2020**

- Implemented the user and groups models for the website using the Django **REST** framework in **Python**

SKILLS & INTERESTS

Skills

- **Langages:** Java, Python, Javascript, HTML5, CSS3, SQL, Bash, Solidity
- **Frameworks and Libraries:** React, Django, NodeJS, Jest, REST, Flask, Google Cloud Platform
- **Technologies:** Git/Github, Azure, Linux, VSCode, IntelliJ, Autodesk Inventor
- **Interests:** learning new tech stacks, swimming; coding, taking my dog on a walk, robotics, rockets!