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ARSH KOCHHAR

"If anything is worth doing, it's worth doing well" – an aspiring computer engineer and entrepreneur



Personal Profile

- Computer Engineering Student at Queen's University (2018 - 2022)
- Blockchain Enthusiast
- 1 of 20 Competitors invited to the Space X Hyperloop Pod Competition from a pool of 1500
- Microsoft Student Partner
- A strong business acumen; Executive at Queen's Entrepreneurs' Competition & Startup Summit



Technical Skillset

- Languages: Java | Python | C | JavaScript | MATLAB
- Technologies: HTML, CSS, JavaScript, Node.js, Express API, React.js
- Tools: Sublime Text, VS Code, IntelliJ IDEA, Adobe Photoshop CC, Bootstrap



Social Media

- LinkedIn: [Arsh Kochhar](#)
- Personal Website: <https://arshkochhar.github.io/ArshKochhar/>
- GitHub: www.github.com/ArshKochhar/



Hobbies & Interests

- Passion for Designing (UX/UI) and Web Development
- Creating Blockchain based applications
- Avid Videographer and Editor
- Competitive Sportsman (Soccer & Volleyball)
- Musically Inclined: Singer and Guitarist

My Projects

Blockchain & Cryptocurrency

- Used Node.js servers, and Express API with test driven development to code the backend
- Developing a frontend web application using React.js
- Deploying the project in a public environment to make it accessible
- Understood the core software concepts behind blockchain and cryptocurrencies

Personal Website

- Developed using HTML, CSS, JavaScript, Bootstrap
- Followed a timeline using 'Trello' that demonstrates effective planning
- Version 2.0 is hosted on my GitHub (Version 1.0 is the initial commit)
- Learnt the Git Command line to host the website

Extracurricular Involvements

Queen's Hyperloop Design team: Software Developer & Sponsorship Coordinator (October 2018 - Present)

- Assisted in developing software for STM32 microcontroller using C
 - Programmed IR sensors to allow for accurate proximity-based braking of the pod
- Used Python (PyQt5 toolkit) to develop the GUI that connects the backend to a software-defined-radio which enables connectivity between the user and the hardware on the pod
- Networked and attended calls with employees from various firms for sponsorship and acquired PWC

Microsoft Student Partner: (September 2019 – Present)

- One of three students elected as MSP's at Queen's University
- Part of a global group of on-campus ambassadors that help students develop technical skills and interest for Tech
- Currently working on delivering a workshop on Azure's Artificial Intelligence API (Speech Recognition)

Queen's Entrepreneurs' Competition: Technology Executive (March 2019 - Present)

- "One of the longest-running and best-known undergraduate business plan competitions in the world" ~ The New York Times
- Oversee IT related aspects, including and not limited to the website (HTML, CSS, JS through WordPress) and coordination of tech on competition weekend
- Work closely with the publications team to innovate the design and interactivity of the website.

Queen's Startup Summit: Director of Outreach (December 2018 - Present)

- Assisted with marketing and developed a creative user interface for the competition website
- Collaborating to find sponsors and judges for the 'Startup Pitch'
- Establishing connections with industry professionals to provide competitors with real world exposure

Volunteer Experiences and Work

SmartIB App Ambassador (2016 – 2018)

- Identified out errors and bugs in the app
- Raised 10,000 subscribers on various social media platforms

Leadership Developer (2015 – 2018)

- International Baccalaureate Mentorship Conference
- Conducted Group Activities and mentored IB Freshmen