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ARSH KOCHHAR

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

Personal Profile

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

</> Technical Stack

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

Social Media

- o LinkedIn: Arsh Kochhar
- o Personal Website: https://arshkochhar.github.io/ArshKochhar/
- o GitHub: www.github.com/ArshKochhar/

Hobbies & Interests

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

Professional Experience

BMO Financial Group: Incoming Software Engineering Intern (May 2020 – August 2020)

Extracurricular Involvements

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

- Assisted in developing software for STM32 microcontroller using C
  - o Programmed IR sensors to allow for accurate proximity-based braking of the pod
- Used Python (PyQt5 framework) 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
- Establishing connections with industry professionals to provide competitors with real world exposure

Volunteer Experiences

SmartIB App Ambassador (2016 – 2018)

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

Leadership Developer (2015 – 2018)

- International Baccalaureate Mentorship Conference
- Mentored Freshmen