

Harsh Shukla

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EDUCATION

McMaster University

Bachelor of Engineering in Software, GPA: 3.9/4.0

Hamilton, ON

Sep. 2022 – Apr. 2027 (*Expected*)

EXPERIENCE

Web Developer

Site4U Foundation

May 2024 - Present

Ontario Canada

- Developed many web apps for up-and-coming businesses utilizing **React.js**, **Vite**, **Tailwind**, **Azure** and more
- Revamped many non-profit websites to increase web traffic and user engagement

STEM Instructor

Free for All Foundation

Oct 2022 – March 2023

Brampton, ON

- Organized, & Coordinated daily lessons in several topics relating to Science, Technology, Engineering, & Math for more than **60** students.
- Developed a curriculum based around various modern technologies such as MIT Scratch, **Arduino**, **C++** & more resulting in many students gaining the ability to effectively programs & engineer solutions.

Co-Captain and Lead Software Developer

10700X Vex Robotics Team

Oct. 2022 – March. 2023

Brampton, ON

- Led a Vex robotics team founded from scratch, which placed **third** provincially out of 64 teams & was able to gain thousands of dollars in sponsorships.
- Implemented a design for the robot which improved team performance from bottom 10% to top **97%** of teams & had an **87%** autonomous success rate against other teams. .

PROJECTS

GryphHacks (Volunteering Forum Webapp) | *React, MongoDB, Firebase*

May. 2023

- Developed an online web app with the ability to post & view volunteering events near you along with the ability to store earned volunteering hours
- Utilized **leaflet.js** for map implementation, along with a local backend through **C++** & **MongoDB**
- Completed in **under 48 hours** while competing against university/industry level professionals in “GryphHacks.”
- Earned the Runner-up award in a competition of over **70 participants** from all over the world.

EcoHub (Eco-friendly Rewards Platform)— *React, FireBase, Google Cloud*

Aug. 2024

- Developed EcoHub, an app that offers eco-friendly activities and rewards users with EcoCoins for participation
- Utilized **React** for frontend development and **Mapbox** for interactive maps, with a **Firebase** backend
- Included a **Blockchain-like** currency called EcoCoin which was dynamically run through **Google Cloud**

EduGlow (Education Webapp) | *React, AppScript, GPT-4 APIs, Python*

Jan. 2024

- Created a webapp allowing users to create slideshows and flashcards.
- Utilized **AppScript** for the backend API connection along with the **JSON search** & **Gpt-4 APIs**
- Completed in **36 hours** part of University of Toronto’s competition against industry professionals & students.

Rigor (Fitness Webapp) | *React, Firebase, Google Vision API, Python*

Sep. 2023

- Developed a fitness webapp for creating workouts and counting macronutrients.
- Utilized a **Firebase** Backend to store user accounts & hosting the site, along with **React** front-end & used Google’s **Vision Api** for image processing.
- Completed in **36 hours** part of University of Toronto’s competition against industry professionals & students.

TECHNICAL SKILLS

Languages: Python, HTML5, CSS3, JavaScript, C++, C, Java

Frameworks/Libraries: React, Node.js, Leaflet.js, PyGame, NumPy, JSON, AppScript

Tools/APIs: VS Code, Git, GitHub, Firebase, Google Cloud Vision API, MapBox API, Google Cloud

ACHIEVEMENTS

Univarsity of Waterloo Math Contests - Top 3 in school - 2022

GryphHacks - Runner-up