Harsh Shukla

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EDUCATION

McMaster University — Hamilton, ON
Bachelor of Engineering in Software, GPA: 3.9/4.0 — *Sep. 2022 – Apr. 2027 (Expected)*

EXPERIENCE

Software Developer — May 2024 - Present
Site4U Foundation — *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 — Oct 2022 – March 2023
Free for All Foundation — *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 — Oct. 2022 – March. 2023
10700X Vex Robotics Team — *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

BananaHacks (Event Forum) | *React, AppScript, GPT-4 APIs, Python* — Jan. 2023
- Developed an online event forum where users can post & view social events nearby, utilized **Mapbox API** for map implementation along with location tracking of users to help more accurately display events.
- Earned the Runner-up award in a competition of over **70 participants** from all over the world.

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."

EduGlow (Education Webapp) | *React, AppScript, GPT-4 APIs, Python* — Jan. 2023
- 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
Frameworks/Libraries: React, Node.js, Leaflet.js, PyGame, NumPy, JSON, AppScript
Tools/APIs: VS Code, Git, GitHub, Firebase, Google Cloud Vision API, MapBox API

ACHIEVEMENTS

Univsersity of Waterloo Math Contests - Top 3 in school - 2022
Banana Hacks - Runner-up