

Harsh Upadhyay

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GitHub: <https://github.com/haaaarsh4> | Academic Portfolio: <https://harshupadhyay.netlify.app/>

EDUCATION

McMaster University – Computer Science

Hamilton, ON

Candidate for Bachelors of Honors Computer Science (co-op)

Expected Graduation 2026

- **Awards:** Presidents entrance scholarship valued at \$5000 for incoming students with above an 95% average in high school

PROFESSIONAL EXPERIENCE

Sciencious UAE

Remote

Tutor

February 2022 – June 2022

- Tutor at Sciencious UAE, a youth-focused initiative dedicated to sparking enthusiasm for STEM education.
- Contributed to the educational advancement of underserved communities by providing free, high-quality tutoring, helping students build confidence and achieve academic success.
- Tutored in subjects such as math, science, and English, delivering personalized educational assistance and fostering academic growth.

Comet

Remote

Computer programmer

February 2022 – May 2022

- Conducted in-depth UI/UX analyses during software testing, meticulously documenting bugs, results, and concerns, facilitating iterative enhancements.
- Engaged in structured user testing sessions as per Head Developer's directives, providing critical feedback to augment product development and refine iterative cycles.
- Collaborated cross-departmentally with engineers, devising robust test plans and strategic approaches for effective product development.

PERSONAL PROJECTS

[Personal Portfolio Website](#) | *JavaScript, ReactJS, HTML, CSS, EmailJS*

August 2023

- Crafted a personal portfolio website showcasing my skills, projects, and achievements using the ReactJS framework.
- Implemented an elegant and responsive user interface with HTML and CSS, ensuring seamless navigation and a visually appealing design.
- Leveraged JavaScript to add interactive features and dynamic content, enhancing the user experience.
- Employed industry-standard best practices to optimize website performance and ensure cross-browser compatibility.

[Sets Visualizer](#) | *Elm*

April 2023

- Conceptualized and developed a Sets Visualizer and Quiz Application using Elm, designed to aid students in understanding set theory concepts through interactive Venn diagrams.
- Leveraged Elm's functional programming capabilities to create a highly responsive and intuitive user interface, allowing students to visualize various set operations dynamically.
- Implemented a robust Multiple-Choice Question (MCQ) module within the application, enabling students to evaluate their knowledge through a quiz format.

HONORS & AWARDS

Duke of Edinburgh's International Award – bronze

In Progress

- Actively engaged in volunteer service, physical activities, skill development, and an adventurous journey.
- Demonstrating a strong commitment to personal growth, leadership, and community engagement.
- Developing valuable life skills and showcasing resilience and problem-solving abilities.

DevBots - runners up

October 2021

- Achieved the runner-up position in the 2021 intra-school chatbot development competition.
- Engineered a school chatbot using DialogFlow, specializing in FAQ responses.
- Showcased proficiency in tech-driven problem-solving and user-centric design by delivering a functional, cutting-edge chatbot for school-wide inquiries.

TECHNICAL SKILLS

- **Programming:** C, JavaScript, Python, Java, Haskell, HTML5, CSS3,
- **Frameworks:** React.js, NodeJS, Tailwind CSS, SQL
- **Developer Tools:** VsCode, Visual Studio, GitHub, Git, WordPress, Eclipse, Jupyter Notebook