

Taha Sarfraz

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EDUCATION

University of Toronto

Bachelor of Arts in Computer Science and Statistics

Toronto, ON

Aug 2023

EXPERIENCE

Google Developer Student Clubs

Oct 2023 – Present

Technical Lead

Mississauga, ON

- Organized the 2024 Women in Tech Conference, securing 600+ RSVPs, featuring 30+ workshops, panels, and speeches from Google, Microsoft, Amazon, RBC, Cisco, and Vector Institute
- Organized [DevFest Canada](#), a nationwide event amongst 8 GDSC chapters with 200+ attendees across Canada
- Hosted [Ctrl+Alt+Activism](#); online cybersecurity workshop, with 50+ attendees

Satec Astronomy Organization

Sep. 2021 – June 2023

Web Developer Executive

Toronto, ON

- Significantly improved website SEO, expanding reach to 500+ individuals
- Used Scrum agile project management framework for development and management of a team of 6
- Ensured website operating costs remained zero by use of Github, Netlify, Jekyll

PROJECTS

[FetchPedia](#) | *Python, Flask, React, uAgents, FetchAI*

- Developed a full-stack travel-agent web application using Fetch.AI's API for backend processing, displayed using Flask, and enhanced the frontend with React for a user-friendly experience
- Got honorable mentions by Hack Dearborn Judges

[GDSC Website](#) | *Next.js App Router (React), JavaScript, CSS, Material UI, Git*

- Increased ease of maintainability through GitHub Actions and clear documentation, resulting in 5 pull requests and 2 issues solved
- Improved accessibility through compliance with WCAG 2.0 (Level AA) standard by conducting extensive testing

[Virtual Solar Website](#) | *Javascript, Three.js, HTML/CSS, Blender*

- Developed an interactive, animated, 3D website by utilizing **Three.js**, and built 3D Models with Blender
- Utilized Calculus and Functions to directly create animations and models

[NASA Space Apps](#) | *Python, Matplotlib, ObsPy, pandas, HTML/CSS, Prism.js*

- Developed algorithms to analyze seismic data from Apollo and Mars InSight missions
- Used Python libraries like Obspy and pandas to distinguish seismic signals from noise, and visualized results using Matplotlib
- Used HTML/CSS for visual representation and Prism.js for syntax highlighting

[RASA Chat bot](#) | *Python, YAML, TensorFlow, NumPy, scikit-learn*

- Developed a Rasa-based chatbot using YAML & Python. Established entities, forms, conditionals, API connections, and custom actions for interaction and data fetching.
- Integrated with Google & ChatGPT APIs for local weather, mathematics, and location info, and deployed it on my personal website

[Mathmatize Auto Poller](#) | *Java, Android SDK, Java Tesseract OCR, Automate by LlamaLab*

- Developed an automated poll filler using Java on Android, integrating Tesseract OCR for text recognition to read poll content and automate form inputs
- Used Automate by LlamaLabs to execute screen taps and button clicks.
- Marketed and sold the program to multiple users on git.market, generating \$10 in sales

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, LaTeX

Frameworks: React, Node.js, Three.js, Flask, Material-UI, Jekyll, FetchAI

Developer Tools: Git, Docker, Blender, VS Code, Visual Studio, PyCharm, Eclipse

Certifications: Microsoft Gen. AI, Azure, and Security & Compliance Fundamentals, Google Data Analytics

Interests: Swimming, Weight Lifting, Counter-Strike, Halo, PC Hardware, Linux, Shunji Iwai