

RAJAB REHAN

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TECHNICAL SKILLS

Programming: Python, Java, HTML, CSS, Javascript, SQL

Tools: Git, Voiceflow, Figma, Digital Oceans, GitHub, MS Office, Kaggle, Bootstrap, Docker

Libraries & API: Flask, Pygame, NumPy, SQLite, Tailwind CSS, CoHere LLM, GPT-3, Dall-E, Stable Diffusion, Verbwire, XRPL

EDUCATION

Bachelor of Science with Honors (BSc): Computer Science

September 2022 — June 2027 (expected)

Toronto Metropolitan University (formerly Ryerson University), Toronto, ON

- **Relevant Topics:** Discrete Math, Linear Algebra, Computer Science I & II (Python & Java), Ethics and Professionalism.

PROJECTS

Ripply | Best Use of XRP (Ripple) Winner | MetHacks, Toronto | [Website Link](#)

May 2023

Mitigates the learning curve for the blockchain through a chatbot which aids in XRP wallet & fund manipulation.

- Built the backend upon VoiceFlow's software, on which XRPL API and CoHere's AI API are successfully implemented.
- **Utilized Cohere's generative AI within the chatbot's backend** to automate responses to any Crypto related inquiries.
- Successfully incorporating the XRP ledger API helped our team of 4 **win the \$2000 prize from Ripple Labs.**

Technologies: CoHere AI, Voiceflow, XRPL, HTML, CSS

LocalEyes | First Place Overall and Best Sustainable Travel Hack | MapHacks2, Virtual | [Website link](#)

April 2023

A revolutionary web app that encourages users to explore and learn about underrepresented parts of their community.

- In charge of **closely analyzing the MongoDB database** on Compass and **adding datasets** to ensure accuracy.
- **Manipulated the CoHere AI API** into creating geographic based pop-quiz questions
- Cooperated with a team of 5 to tackle a geographical hackathon challenge and **develop a winning solution.**

Technologies: CoHere AI, Mapbox API, Javascript, Tailwind CSS, MongoDB Compas

ToBeeContinued | UOttahacks, Ottawa | [Website Link](#)

February 2023

Automates storytelling with a visual component through a given prompt on an interactive interface.

- **Leveraged the GPT3 and Dall-E API's** to automatically generate a visually engaging story paragraph based on input.
- Collaborated with the **design team** to create an aesthetic frontend using HTML & CSS to **enhance the user interface.**
- **Refactored the Python backend into JavaScript** to integrate the GPT3 and Dall-E API's to create a seamless frontend.

Technologies: GPT3 API, Dall-E API, Procreate, JavaScript, HTML, CSS

TXT811 | McHacks, Montreal | [Website Link](#)

January 2023

Takes the user's medical input in a textbox and outputs a disease diagnosis with a likelihood statistic.

- **Trained CoHere's NLP model with over 100 symptoms** based on user input, resulting in an effective diagnostic tool.
- Deployed the project's frontend onto a cloud server using Flask and Python, creating a **more accessible** platform.
- **Developed a robust backend using HTML, CSS, and JS** to provide a user-friendly interface for medical diagnosis.

Technologies: CoHere NLP, DigitalOceans Cloud Server, Python, Flask, HTML, CSS, Javascript

EXTRACURRICULAR

Canadian Undergraduate Tech Conference (CUTC)

March 2023 — Present

Campus Ambassador

- Collaborated with a team of **50 members** and conducted operations to run a conference with over 200 attendees.
- Liable for leading the marketing of **Canada's oldest and largest student-run tech conference** to TMU students.

TMU Computer Science Course Union

October 2022 — Present

Second Year Representative, First Year Representative

- Voiced the concerns of **500+ first-year computer science majors** at TMU, improving student responsiveness.
- Pitched and organized events such as a **Python Crash Course**, resulting in **stronger programming foundations.**

CERTIFICATIONS

Software Fundamentals Certification

November 2022

- Highlighted a **passion to learn** by attending a multitude of programming workshops and receiving a "**Unix, Git, Python and SQL Certification of Completion**" signed by Dr. Dimitri Androutsos.

AP English and Literature | Score: 5/5

June 2022

- Attaining the **highest possible score on the AP English exam**, which placed me amongst the **top 17% of international examinees**, helped to recognize my **advanced skills in writing, analysis, critical thinking, and attention to detail.**