

RAJAB REHAN

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SKILLS

- **Languages:** Python, SQL, Java, C, JavaScript, HTML, CSS, Bash
- **Tools:** Git, Linux, GCP, Firebase, AWS, Vercel, DigitalOcean, Postman, Notion, Kaggle, Excel, Figma, LaTeX, Jira, Trello, Bootstrap
- **Frameworks/Libraries:** React, Next.js, MongoDB, Flask, TensorFlow, PyTorch, Supabase, OpenCV, Matplotlib, Appscript, Pandas

WORK EXPERIENCE

COHERE

Senior Data Quality Specialist

Jan 2024 — Present

- Audited and ranked **machine learning datasets** by debugging, generating, and quality assurance testing code across multiple languages
- Finetuned our models via **prompt engineering** and **data analysis**, training **Command R+** to overtake Claude 3 and GPT-4-turbo by avg. of **13.5%** in benchmarks at **50%** cost
- Built exclusive administrative projects and initiated technical writing documentation efforts to **standardize coding practices internally**, boosting team attendance by **200%** and showcasing my leadership & dedication to the team's well-being & productivity.
- **Skills:** Python, JavaScript, Appscript, C, C++, Java, HTML, Pandas, SQL, Scrum, Latex

Data Quality Specialist

Aug 2023 — Jan 2024

- Optimized proprietary **large language models** (LLMs) for diverse fields by evaluating structured datasets and prompt completions
- Produced & annotated high quality data that created Cohere's **Command R**, **Command R+**, a **104 billion** parameter model
- Contributed **innovative ideas** and technical insights during **team stand-ups**, showcasing dedication towards **collaborative brainstorming**
- **Skills:** Troubleshooting, Annotaton, Data Science, Communication, Technical Writing, Leadership, Remote & Hybrid Work

EDUCATION

Bachelor of Science: Computer Science, Toronto Metropolitan University

Expected Graduation: April 2026

- **Relevant Courses:** Data Structures & Algorithms, Linear Algebra, Discrete Math, Statistics, Software Tools for Startups

EXTRACURRICULARS

Google Developer Groups on Campus TMU - Founder & President

Aug 2023 — Present

- Built the community to become the **largest in Canada**, growing from **zero to 5,000+** in only 1 year across multiple platforms by orchestrating technical workshops and career-oriented events
- Oversaw a cross-functional team of **30+ members and 6 specialized sub-teams**, optimizing workflows to ensure seamless **project execution**
- Facilitated team synchronization by leading **scrum meetings** and managed **stakeholder communication** with external partners, using tools such as a Kanban-integrated **Notion**, & a heavily organized **Discord** for **agile team collaboration** and **project management**.

Computer Science Course Union - Year Representative

Oct 2022 — Present

- Provided tailored career advice and hosted dozens of events on leveraging opportunities in computer science, guiding them on effective networking, internships, and skill development, leading to **increased student engagement in community initiatives by nearly 400%**
- Voiced the concerns of **500+ 'Class of 2026' computer science majors**, improving student responsiveness towards university faculty.
- Elected as a representative for **three consecutive years**, demonstrating my commitment to the student body and strong advocacy skills

PROJECTS

DementiaBuddy | (*Best Use of Auth0 API MLH Winner*) | UofTHacks, Toronto | [Website Link](#)

Nov 2023

A dynamic healthcare platform that aids individuals with dementia in recalling memories through personalized video content and facial recognition.

- **Trained a computer vision machine learning model** to detect people and store and label videos to a Supabase database
- Built a React webapp with **fully functional Auth0 security** to personalize the user experience
- Successfully integrated **multiple technologies** within our **fullstack** project, ensuring a seamless experience.

Technologies: OpenCV, Tensorflow, Next.js, Pytorch, React, Supabase, Auth0, *Healthcare x Computer Vision x AI*

Ripply | (*Best Use of Ripple XRP Ledger \$2000 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 LLM API are successfully implemented.
- **Utilized Cohere's generative AI within the chatbot's backend** to train it towards automating 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, *Finance x Blockchain x AI*

LocalEyes | (*First Place Overall Winner*) | MapHacks2, Virtual | [Website Link](#)

Apr 2023

A revolutionary fully responsive 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 LLM API into creating geographic based pop-quiz questions
- Leveraged the Mapbox API to manage user and location data, ensuring **secure JWT authentication**, facilitating personalized experiences

Technologies: Cohere AI, Mapbox API, Javascript, Tailwind CSS, MongoDB Compass, *Environment x Education x AI*