RAJAB REHAN

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EDUCATION

Bachelor of Science (BSc) : Computer Science   **September 2022 — Present**

Toronto Metropolitan University, Toronto, ON
- **Relevant Topics:** Discrete Math, Calculus, Trigonometry, Boolean Algebra, Algorithms, Object Oriented Design, Ethics and Professionalism

Martingrove Collegiate Institute   **September 2018 — June 2022**

Ontario Secondary School Diploma
- Demonstrated strong academics with a 4 year sustained honour roll and French Certification
- Top 6 Average of 92%, allowing for a $2000 Entrance Scholarship to TMU
- Completed **Advanced Placement (AP)** level English
- Activities: Computer Science Club, DECA, Model United Nations, Key Club

PROJECTS

TXT811 | McGill Hacks, Montreal   **January 2023**

Takes the user's medical input in a textbox and outputs a disease diagnosis with a statistic.
- Trained CoHere's **NLP Model** with 100+ symptoms to help potentially diagnose diseases.
- Exported the **frontend** code via Python and **used Flask** to upload it onto a **Cloud server**.
- Created a **backend** for the project using HTML/CSS and JS and connected it to the Python code.
- **Solely carried and led a team of 4 members**

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

SmileStat | ConU Hacks, Montreal   **January 2023**

Takes a picture of the user while answering a questionnaire to determine if they are telling the truth.
- Worked on the **front-end** for a website where a True and False question is stored as Binary.
- Implemented the python **backend** using a **DeepFace framework** and **OpenCV** to detect if the user is smiling or not (which is also stored as binary).
- Exported the **frontend** code **used Flask** to upload it onto a **Cloud server**.

Technologies: Python, Flask, HTML, CSS, Javascript, OpenCV, DeepFace, Google Cloud

TECHNICAL SKILS

- **Programming:** Python, Java, HTML, CSS, Javascript, SQL, R, Unix, Kotlin
- **Tools:** Git, Flask, CoHere, Cloud Servers, Pycharm, VS Code, GitHub, MS Office, Mac OS, Windows

EXTRACURRICULAR

Metropolitan Data Science Association   **January 2023 — Present**

DataWorks Program
- Using the DataQuest platform, I am given opportunity to build and utilize my skills in **Data Analysis and Complex Queries using SQL**, and **Web Scraping and API's using R.**

TMU Computer Science Course Union   **October 2022 — Present**

First Year Representative
- Communicated and voiced the concerns of **over 500 first year computer science majors** at TMU.
- Pitched and organized events such as a **Python Crash Course** to prepare students for the final exam.

Hackathon Participant

- McGill University, Montreal   January 2023
- Concordia University, Montreal   January 2023
- Humber College, Toronto   January 2019