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**EDUCATION****B.Sc., Computer Science**

2020-2024

McGill University, Canada

**GPA: 4.0**

- **Relevant Coursework:** Linear Algebra, Foundations of Programming.
- **Technical Skills:** Python, Java
- **Current Coursework:** Introduction to Software Systems, Mathematical Tools, Data Structures, Recursive and Non-recursive Algorithms, Abstract Data Types, Inheritance.

**CSSI Coursera**

2020

Google

- Completed the **Java** Programming: Arrays, Lists, and Structured Data course on Coursera sponsored by Google Tech Student Development.

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**PROJECTS****Human Postural Sway and Balance Control**

2019

- Measured body sway acceleration of different age groups during eyes closed and eyes opened using inertial sensors of a smartphone.
- Filtered 45000 values for each individual through MS Excel to calculate root mean square.
- Presented the postural sway using scatter plots in MS Excel.
- Developed a report using MS word by clubbing together the graphs and the knowledge I gathered from the project.
- Migrated the program from MS Excel to **Python** using my programming skills.
- Identified 2 individuals who may be at risk of falls as indicated by their exceptionally high postural sway.

**Nutrition Tracker**

2020

- Developed a nutrition tracking program using **Python**.
- Calculated the BMI of the users and provided them feedback on their body composition i.e. underweight or overweight.
- Provided the user with food options and constructed a daily meal plan according to their choice and returned calories.
- Returned the prescribed duration for their preferred exercise to meet their calorie goals.
- Tracked the sleep cycle of the users by taking inputs and suggested tips on how to improve their sleep cycle.

**Encryption Program**

2020

- Developed an encryption and decryption program (Caesar cipher) using object oriented programming using **Java**.
- Successfully employed the program to send secret messages to group members during an online mystery room game that I hosted.

**CareBot**

2021

- Implemented API to generate random quotes after a specific command from the user.
- Allowed the user to set various types of reminders and a timer.
- Created a shop for the users to buy plants and upgrade them.
- Created a journal that allows the user to write diary entries into and read them later.

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**WORK EXPERIENCE****Voice of Streets (NGO)/ Volunteer**

2018-2020

- Helped organize 3 celebratory events for over 50 underprivileged children to support their education and learning.
- Effectively employed my communication skills to tutor over a dozen children from lower socio-economic backgrounds to help them improve their academic performance in their schools.

**St. Gregorios School/ High School**

2018-2020

- Eco Club Volunteer: Utilized my organisational skills to help organize rallies, plays and other social events to spread awareness among local community members about the environmental challenges such as air pollution.

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**ACTIVITIES****Daulat Ram College/ Inspire camp**

2018

- Selected as one of the 1% students nationwide for a one week **STEM** program based on academic success.

**Hack the North**

2021

- Created a discord bot in 36 hours using **Python**, **discord.py** and **uptime robot**.