SAGARIKA RABINDRANATH

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EDUCATION

University of Toronto — Sept 2020 - May 2025 (expected)

Bachelor of Applied Science in Computer Engineering + PEY Co-op

- **Intended Focus Area:** Software Engineering and Control Systems
- **Relevant Courses:** Intro to Computer Programming (Python) | Computer Algorithms and Data Structures (C)| Programming Fundamentals (C++) | Digital Systems | Computer Organization (Assembly)| Software Communication & Design (C++)
- **Awards:** Dean's Merit Award ($10 000)

SKILLS

Programming: Python, C, NumPy, CSS, HTML, GIT, Javascript (in progress), React (in progress), C# (in progress), Unity (in progress)

Other: Microsoft Office

PROGRAMMING EXPERIENCES

Personal Project - Meet the Polar Bears (In progress) — July 2021 - Present

- Developing and improving the interactive game created from KuriusHacks hackathon using **Unity** and **C#**
- Creating the graphics of the habitat and implementing movements of characters

KuriusHacks Hackathon - 3rd Place — Aug 2020

- Participated in a 48-hour hackathon in a team of 2 and was presented challenges from three non-profit organizations
- Created an engaging and informative virtual habitat for the non-profit Canadian Polar Bear Habitat to educate users about polar bears

Daisy Intelligence Hackathon — Jan 2021

- Participated in 24 – hour hackathon where teams create an AI algorithm that chooses the right location and store size while maximizing profits
- Collaborated in a team of 3 to attempt to create and train an algorithm using reinforcement learning in **Python**

Undergraduate Big Data Challenge — May 2021

- Collaborated with my peers to analyze the correlation between political ideologies on promoting/interacting with misinformation on Twitter
- Aided in programming with **Python** and **Microsoft Azure** to extract and analyze information from large datasets of Twitter tweets

Diamandis Lab - University of Toronto — Aug 2021 - Present

VOLUNTEER RESEARCH STUDENT

- Automizing Stroop Tests (Neuropsychological test) using speech to text transcriptions in **Python** with JSON files, and **pandas**
- Completed a comprehensive literature review for Graph Neural Networks and Generative Adversarial Neural Networks in Pathology
- Aided team members with ongoing projects

OTHER RELEVANT EXPERIENCES

Fundraiser - The Happy Race — May 2021 - Present

DIRECTOR OF FINANCE AND LOGISTICS

- Organized fundraiser events for CAMH to help provide mental health relief in light of the pandemic
- Led the planning of **2** marathon events (running and biking) with **30** participants
- Helped raise participation by **30%** for the second event

Ontario Conservatory of Music — Sept 2018 - Nov 2018

PIANO INSTRUCTOR

- Taught new students beginner piano skills with a high level of responsibility and autonomy
- Assigned and corrected homework