SAGARIKA RABINDRANATH

@ sagarika.rabindranath@mail.utoronto.ca   ☎ (647) 923-7036   📍 Toronto, CA
in linkedin.com/in/sagarika-rabindranath   ⓞ https://sagarika-rabindranath.netlify.app/

RELEVANT EXPERIENCE

Developer | Royal Bank of Canada   May 2022 – Aug 2022

- Lead developer for talent management web app using **Django** and **React** to streamline the internal recruitment process, allowing recruiting team to analyze potential talent **30% faster**
- Effectively collaborated in a cross-functional team to scope web app and define business/development requirements by prototyping and using gap analysis
- Fine-tuned database design to optimize app performance and adaptability

GIS Mapping Software | University of Toronto ECE297   Jan 2022 – May2022

- Project lead for Inverse Kinematics implementation to manoeuvre the rover arm using **Python** and **ROS**
- Updated secondary Arduino I2C code in **Arduino C** to use interrupts resulting in observed stability in communication between primary and secondary Arduinos

LEADERSHIP AND EXTRACURRICULAR

Arm Team Project Lead | Robotics for Space Exploration   May 2022 – Present

- Project lead for Inverse Kinematics implementation to manoeuvre the rover arm using **Python** and **ROS**
- Updated secondary Arduino I2C code in **Arduino C** to use interrupts resulting in observed stability in communication between primary and secondary Arduinos

Volunteer Research Assisstant | Diamandis Lab - UofT   Aug 2020 - April 2021

- Automized Stroop Tests (Neuropsychological test) using speech-to-text transcriptions in **Python**
- Completed a comprehensive literature review for Graph Neural Networks and Generative Adversarial Neural Networks in Pathology

Participant | 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 data sets of Twitter tweets

Director of Finance and Logistics | The Happy Race   May - Oct 2021

- Organized fundraiser events for CAMH to help provide mental health relief in light of the pandemic
- Helped raise participation by **35%** for the second event by improving advertising efforts

AWARDS AND ACHIEVEMENTS

- **Third Place Prize** winner at KuriusHacks hackathon
- **Dean's merit award ($10000)** admission scholarship for academic excellence

EDUCATION

Bachelor of Applied Science
in Computer Engineering

University of Toronto
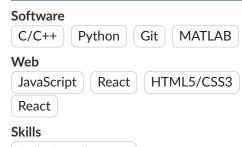
Sept 2020 – May 2025

Minor in Artificial Intelligence
Certificate in Engineering Business

Courses

Programming Fundamentals (C++), Intro to Programming (Python), Software Communication and Design (C++), Data Structures & Algorithms, Operating Systems (C) , Probability & Statistics, Intro to ML, Databases,

TECHNICAL SKILLS

Programming

Software
C/C++   Python   Git   MATLAB

Web
JavaScript   React   HTML5/CSS3
React

Skills
Agile Development
Software Communication
Engineering Design

Software and Frameworks

MySQL   OOP   Django
Linux/Unix   EZGL   GTK