Shubho Mukherjee

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WORK EXPERIENCE

Danforth CTI – Rocketry Club   **Nov. 2021 – May. 2022**
Vice President   *Toronto, ON*

- Founded and led the school's first rocketry club, which grew to over 100 members.
- Managed club operations and facilitated communication between sub-teams (Aerodynamics, Electronics, etc.) to ensure successful club events and projects.

Toronto Metropolitan University – MetHacks (Formerly RuHacks)   **Jan. 2023 – May. 2023**
Sponsorship Associate   *Toronto, ON*

- Contributed to the development and execution of the hackathon as a member of the executive team, which drew over 300 participants.
- Managed sponsorship data, including updating and maintaining spreadsheets, email logs, and sponsorship resources.
- Engaged with potential sponsors such as faculties, student organizations, and corporations to discuss terms and conditions and secure invoices for sponsorship agreements.

University of Toronto   **Nov. 2021 – May. 2022**
Student Mentor   *Toronto, ON*

- Mentored STEM students and provided guidance on achieving success in their field.
- Created educational videos and delivered presentations on science topics to enhance students' learning.

PROJECTS

[Stop Sign Detection](#) |Python, NumPy, OpenCV   **March. 2023**

- Developed a stop sign detection model using a sliding window approach and mean square error for similarity comparison.
- Implemented image pyramids to efficiently search for stop signs at different scales.

[Personal Website](#) | HTML, CSS   **Jan. 2023**

- Created a visually appealing layout and design using HTML and CSS.
- Implemented responsive design to ensure functions well on various screen sizes.

EDUCATION

Toronto Metropolitan University   **May 2026**
B.Sc., Computer Science   *Toronto, ON*

- 3.87 GPA
- Incoming Transfer & Control member for Metropolitan Aerospace & Combustion Hub (MACH)
- Incoming Business Development member for MACH
- Member of Metropolitan Data Science Association
- Member of Metropolitan Algorithms and Coding Club

SKILLS

Natural Languages: English, Bengali, Hindi
Formal Languages: Python, Java, HTML/CSS, SQL
Developer Tools: Git, GitHub, Trello
Other Skills: Microsoft Office, Excel (Pivot Tables, VLOOKUP, XLOOKUP), Tableau