

Aaditya Roshan Senthilkumar

sentha1@mcmaster.ca

[linkedin.com/in/aaditya-roshan-6a099681/](https://www.linkedin.com/in/aaditya-roshan-6a099681/)

Education

McMaster University, Hamilton, Ontario

Bachelor of Engineering, Mechatronics

September 2019 - Present

DPS-MIS, Doha, Qatar

CBSE Certificate, High School

April 2017 - April 2019

- Graduated with 93.6%.
- A1 in 4 out of 5 subjects.
- Class topper.

NMS-DPS, Manama, Bahrain

CBSE Certificate, School

October 2014 - April 2017

- Graduated with 10/10 CGPA
- Class topper.
- Commendation Certificate

Work Experience

McMaster Engineering, Office of outreach and recruitment, Hamilton, Ontario, Canada

Recruitment and Promotions Assistant

April 2022 - August 2022

- Summer internship.
- Analysed data with Power Query.
- Used Automation in Power BI to increase productivity

Aswan International Engineering, Dubai, UAE

Maintenance Engineering Intern

April 2021 - August 2021

- Summer internship in a Manufacturing and Servicing Environment.
- Analysed data with Power Query to understand issues with productivity
- Resolved issues with various CNC Machines.
- Assisted in approving new CNC Machines worth 1.5 Million Dollars.
- Installed new machines for the production department.

McMaster Engineering, Office of outreach and recruitment, Hamilton, Ontario, Canada

International Recruitment Assistant

October 2019 - October 2020

- Assisted in the campus recruitment process of engineering students.
- Resolved time-consuming activities to increase efficiency.
- Collected and Handled data for efficient advertising
- Used MS office to handle day-to-day activities

Walmart, Hamilton, Ontario, Canada

Store Standards Associate

April 2020 - October 2020

- Ensured the proper functioning of the store and the safety of customers
- Zero accidents when on duty.
- Received great customer reviews.
- Worked in the middle of the pandemic to help the community.

Projects

Learning to use Javascript and its front-end libraries AND LINKING WITH BACKEND

Personal Project

February 2023

- Learnt Javascript with VSCODE
- Working on Implementing a personal website with HTML and CSS.
- Using React in the process and overall learning all of this.
- Trello Board implementation.

Pacemaker

Mechtron 3K04 Software Development

September 2022

- Working on a real-time safety-critical system through the team-based project of creating a pace with a functional device control module using MATLAB Simulink and C++.

Prosthetic Hand Design

Engineer 1C03 Engineering Design and Graphics

December 2019

- Worked on a team of 4 to design, document, and 3D print a gear train as the operational mechanism of a hand prosthesis
- Presented the final product with a dynamic simulation video and demonstration of the printed prototype

Skills

- | | | |
|--------------|------------|-----------------|
| • Python | • SQL | • Communication |
| • C++ | • Power BI | • Leadership |
| • C | • Excel | • Engineering |
| • Javascript | • VS code | • Data Analysis |

Clubs & other activities

Delta Hacks

VP Attendee Relations

May 2022 - Present

Attendee Relations Executive

June 2021 - May 2022

Volunteer

January 2020 - January 2020

McMaster South Indian Student Association

Director of Events

May 2022 - Present

MacHacks

Logistics Co-ordinator

June 2021 - Present