

Mahir Chowdhury

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Summary of Qualifications

- Experienced in programming in **Python**, Java, **MATLAB**, and **C++**, HTML
- Familiar and experienced with **data preprocessing** and implementing **machine learning (tensorflow)** algorithms.
- Proficient in **web scraping** for information and also able to use **REST API's** and databases.
- Experienced in using **Linux OS** commands as well as the **Git Protocol**.
- Proficient in creating **GUI interfaces** with the **QT5/PYQT5 framework** as well as adapting to new development **frameworks**.
- Experienced using draw.io to design **flowcharts**.
- **Fluent in English** (Canadian Citizen).
- Excellent knowledge of **MS Word** and **Excel**.
- Developed excellent **written and oral communications skills** by pitching ideas and projects in Hackathons and competitions.
- Developed excellent **teamwork** and **organizational** skills through successful experiences in work, volunteering and other executive positions.

Education

University of Windsor

HONOURS BACHELOR OF APPLIED SCIENCE ELECTRICAL ENGINEERING WITH CO-OP

- GPA: 93%

Windsor, Ontario

Sept. 2019 - Present

Work Experience

Blessed Fashions

SUPERVISOR

- Instructed employees on stock management and organization to keep the store clean and organized.
- Trained employees on safety policies related to covid-19 which helped to prevent the spread of the virus.

Windsor, Ontario

Apr. 2018 - Dec. 2020

Projects

Pluto (Chatbot)

Sept. 2019

[HTTPS://WWW.ENGDISCORD.XYZ/](https://www.engdiscord.xyz/)

- Developed a **chat-bot** for a University of Windsor Discord server that can be used by members to get information on professors, professor reviews, courses, and campus locations.
- Used **tensorflow and natural language processing** to create a feed-forward neural network to create a system that can understand intents from user queries, questions, and commands.
- **Technologies used:** python, discord.py, pandas, tensorflow, nlp-toolkit, text-blob, feed-forward neural network

Covid-19 Global

June. 2020

[HTTPS://GITHUB.COM/MAHIRCHOW/COVID-19-GLOBAL](https://github.com/mahirchow/covid-19-global)

- Project for Hack the Northeast
- Developed a desktop application for Covid-19 information that would provide current and trustworthy facts and figures.
- **Technologies used:** python, beautiful soup, pandas, numpy, qt designer, pyqt5, qt creator

Directory Sweeper version 1.6.7

Apr. 2020

[HTTPS://GITHUB.COM/MAHIRCHOW/DIRECTORY-SWEEPER](https://github.com/mahirchow/directory-sweeper)

- Programmed a desktop application that automates the task of organizing files on a computer directory at a click of a button.
- **Technologies used:** python, qt designer, pyqt5, qt creator

Whiteboard (Student Improvement App)

Dec. 2020

[HTTPS://GITHUB.COM/MAHIRCHOW/WHITEBOARD](https://github.com/MAHIRCHOW/WHITEBOARD)

- Developed for Windsor Engineering Competition. **Placed first.**
- Created an desktop application with a team of 3 students to create a tool to improve the study habits of engineering students using a schedule alert system and built-in math tools.
- **Technologies used:** python, qt designer, pyqt5, qt creator, file io

Nine Gaps Game (Terminal Version)

Dec. 2020

[HTTPS://GITHUB.COM/MAHIRCHOW/NINE-GAPS-CONSOLE-VERSION-](https://github.com/MAHIRCHOW/NINE-GAPS-CONSOLE-VERSION-)

- Developed a math puzzle game with the **C language** as the final project for my Algorithms course.
- **Technologies used:** C Programming.

Extracurricular Activities

UWindsor Engineering Discord Server

Virtual

FOUNDER AND DEVELOPER

Sept. 2019 - Present

- Founded the largest engineering virtual community at UWindsor for over 400+ engineering students of any major/discipline.
- This platform and server bot was created for users to interact with each other, host study sessions, and promote engineering activities.
- Officially recognized as a club by the University of Windsor.
- Regularly develop the server's features as well as the server's bots

IEEE Student Branch

Windsor, Ontario

VICE CHAIR

Sep. 2020 - Present

- Practiced **responsibility and leadership** by directing STEM related events for the student branch (ex. Python workshop) which helped to improve the organization's presence at UWindsor

Windsor Robotics Club

Windsor, Ontario

CO-FOUNDER AND MEMBER

Nov. 2019

- Co-founded the University of Windsor's first ever Robotics club.
- Actively participated in club activities.

Honors & Awards

INTERNATIONAL

Sept. 2019 **Winner**, Grizz Hacks 4 (Hackathon)

Oakland University

Dec. 2020 **Winner**, Windsor Engineering Competition (Programming Section)

Windsor, Ontario

Feb. 2017 **Winner**, Border-City Hacks

Windsor, Ontario

Sept. 2019 **Candidate**, University of Windsor Outstanding Scholars (Top 100 entering students)

Windsor, Ontario