

Muqtadir Ahmed

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EDUCATION

McGill University · B.Eng., Electrical Engineering

Sep. 2020 - Dec. 2024 (Expected)

SKILLS

- **Languages:** Python, Java, C#, HTML, CSS, Javascript, Typescript, WPF, C
- **Tech:** ReactJS, Redux, Material UI, EFCore, MongoDB, Docker, NodeJS, ExpressJS, Git, Bash, PostgreSQL

EXPERIENCE

Corning

May. 2023 - Sep. 2023

Software Developer Intern | Full Stack Web Development

- Implemented **15 new features** for **3 full stack web applications** using **React, Redux, C#, Entity Framework, PostgreSQL** while using Git for version control and conflict management
- Increased loading performance for a full stack application by **550%** by modifying backend queries in **C#**
- Improved usability by fixing 13 bugs in the front end and back end in 3 different web apps
- Collaborated with **4 developers, 3 designers, 1 product owner and 1 product manager** using agile methodology

Matrox / Zebra Technologies

Sep. 2022 - Dec. 2022

Software Developer Intern

- Implemented **5 new features** for the UI using **C#, WPF** and concepts of **Object Oriented Programming** and **design patterns** to positively impact many clients while using **Tortoise SVN for version control**
- Wrote **10+ unit tests** in C# using **Nunit** to increase the code coverage and to validate the written code
- Collaborated with 7 developers using **agile** methodology with 2 week sprint durations and tracked issues using **JIRA**

PROJECTS

MunchPoints (Hackathon Winner)

Jun. 2023

Personal Project | [GitHub](#) | [Devpost](#)

- Created an application using **React, CSS, Node, MongoDB** that allows any restaurant to have a point system
- Completed the project in a 48h constraint while working in a team of 2 developers

Parked and Moving Car Detection (Python)

Dec. 2023

Personal Project | [GitHub](#) | [Video](#)

- Detected parked cars, moving cars and pedestrians with an 88% accuracy using **Python, YoloV8** and OpenCV

Full Stack Social Media Website (Reactjs, Nodejs)

Jul. 2022

Personal Project | [GitHub](#) | [Website](#)

- Engineered a social media app called PhotoShare using the **MERN** stack, **Redux, Redux-Thunk, Material UI** and **Git**
- Implemented a **REST API** that performs a create, read, update and delete operations which updates the **MongoDB (Mongoose)** database and the frontend
- Added a user authentication feature using JSON Web Tokens to allow interaction between multiple unique users

LEADERSHIP

- **Software Lead (McGill University) - Automated Storage/Retrieval System:** Led 6 students as the software lead for a robotics project using Raspberry Pi and Python. Final system met and surpassed the system's requirements by 167% for delivery, 400% for sorting and had a success rate of 100%