

# Muqtadir Ahmed

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## EDUCATION

McGill University · B.Eng., Electrical Engineering

Sep. 2020 - Dec. 2024

*Academic Excellence Scholarship in Electrical Engineering*

## SKILLS

- **Languages:** Python, Java, C#, HTML, CSS, Javascript, Typescript, WPF, C
- **Tech:** ReactJS, React Native, Redux, EFCore, MongoDB, Spring Boot, NodeJS, ExpressJS, Git, PostgreSQL

## WORK EXPERIENCE

### Nura Medical (Startup)

May. 2024 - Dec. 2024

Software Developer Intern | Front End Developer Intern

- Developed and deployed **7 high-impact features**, including an order set management system for streamlined medical workflows, a Keycloak integrated sign-in page for secure authentication, and integrated feature flags using Split.io for dynamic feature management.
- Resolved **20+ front-end bugs**, improving React context management and state handling.
- Collaborated with a **team of 2 developers**, ensuring timely rollouts and version control with **Git**.

### Corning

May. 2023 - Aug. 2023

Software Developer Intern | Full Stack Developer Intern

- Implemented **5 features** for 3 full-stack apps, including a bill of materials table with Excel export, using React, Redux, C#, Entity Framework, and PostgreSQL, with version control via **Git**.
- Fixed **5 bugs** across front-end and back-end, addressing data persistence issues and improving application stability.
- Collaborated with a team of **4 developers, 3 designers, and 1 product owner** using **agile methodology**.

### Matrox / Zebra Technologies

Sep. 2022 - Dec. 2022

Software Developer Intern

- Implemented **5 new features** for the UI, including an undo/redo functionality for a paint feature, using **C#, WPF, Object-Oriented Programming** concepts, and design patterns, while managing version control with Tortoise SVN.
- Wrote **10+ unit tests** in C# using **NUnit** to increase code coverage and validate the functionality of the written code.
- Collaborated with **7 developers** using **agile methodology** with 2-week sprints, tracking issues with JIRA.

## PROJECTS

### MunchPoints (Hackathon Winner)

Jun. 2023

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

- Developed a **React, CSS, Node, MongoDB** application centralizing a universal point system for participating restaurants, enabling customers to accumulate points with purchases for future discounts
- Completed the project within a 48h constraint while working with 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 88% accuracy using **Python, YoloV8, and OpenCV**

### PassItOn

Sep. 2023 - Dec. 2024

Capstone Project | [GitHub](#) | [Poster](#)

- Led a team of four in developing a cross-platform mobile app (Android & iOS) using **React Native, Firebase, NodeJs, and MongoDB**, enabling users to seamlessly post and discover donations through an interactive map with real-time updates and clustering features.
- Implemented secure **authentication** and **geolocation-based services**, integrating **Firebase Auth** for secure access control and Google Places Autocomplete for enhanced user experience in locating nearby donation sites.