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, React Native, Redux, Material UI, EFCore, MongoDB, Docker, NodeJS, ExpressJS, Git, Bash, PostgreSQL

EXPERIENCE

Corning   May. 2023 - Sep. 2023
Software Developer Intern | Full Stack Developer Intern
- Implemented **15 new features** for **3 full stack 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**, 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 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](#)
- 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 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 88% accuracy using **Python**, YoloV8 and OpenCV

Full Stack Social Media Website (React, Node)   Jul. 2022
Personal Project | [GitHub](#) | [Website](#)
- Engineered a social media app called PhotoShare using the **React**, **Redux**, **Node, Express** and **MongoDB**
- Implemented a **REST API** that performs 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 (Python)*: 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%