

# MUBEEN MOHAMMED

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## Education

### McGill University

Bachelor of Software Engineering Co-op

Sep. 2022 – Dec 2026

Montreal, Quebec

## Relevant Coursework

- Data Structures
- Software Methodology
- Web Development
- Systems Programming
- Mobile App Development
- OOP

## Experience

### Ticket Sphere

May 2024 – Present

Software Developer

Remote

- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user-inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Android Studio and VS Code as a development environment in order to visualize the application in both iOS and Android.

### McGill Engineering Student Center

Dec 2022 – Present

Office Assistant

Montreal, Quebec

- Supported more than 500 students by answering general academic and career-related questions, offering valuable insights
- Analyzed intern salary data by experience & major, and provided Engineering Career Center (ECC) valuable insights
- Assisted the Software Co-op team by preparing mail merges, updating Google forms, and analyzing 300+ students list
- Automated and streamlined the submission of Microsoft forms using Power BI flows for the Graduate Funding Team

## Projects

### Wareflow Desktop Application | Java, Junit, JavaFX, JSON, UML, MVC

April 2024

- Developed desktop app for warehouse shipment orders encompassing order creation, authentication, tracking functions
- Utilized UML abstraction to craft a scalable, maintainable Java API for the warehouse management app
- Tested app functionality rigorously with Gherkin Step definitions and Junit, ensuring reliability under diverse scenarios
- Created user-friendly interface in Scene Builder and seamlessly integrated with backend functionalities giving logic to UI
- Stored warehouse and user data in a JSON file to maintain consistency across all users, avoiding data duplication

### Amazon Clone | HTML, CSS, JSON, HTTP, JavaScript, Jasmine

May 2024

- Developed E-commerce website using HTML, CSS, JavaScript for a visually appealing, interactive UI like Amazon.
- Implemented product listings, shopping cart, and checkout for a seamless shopping experience for users.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

### Bank Management System | C Language, CSV

March 2024

- Developed a banking network containing various features like a login system, Main Menu, and Account Management
- Incorporated file handling functions to store and retrieve account information from a CSV file
- Implemented the features by defining several functions allowing users and administrators to manage accounts.

### CinemaScore Insights | Python, Numpy, Matplotlib, Jupyter Notebook

May 2023

- Developed a data visualization project that processes a list of movies, including their genres and IMDb ratings
- Additionally, the project recommends movies based on user-preferred genres.
- Software analyses IMDb ratings and movie count across genres, offering insights into average ratings per genre and the distribution of movies across various rating categories

### Expense Tracker Application | Dart, Flutter, Figma

May 2024

- Developed a robust cross-platform mobile application using Flutter, enabling users to efficiently track and manage their expenses, improving financial oversight and planning.
- Implemented clean, modular architecture using materials library for state management, ensuring maintainable code and seamless performance to enhance user's experience

## Technical Skills

**Languages:** Python, Java, C, C#, HTML/CSS, JavaScript, TypeScript, SQL, Dart, VHDL

**Developer Tools:** VS Code, IntelliJ IDEA, Eclipse, Google Cloud Platform, Android Studio, Unity, Quartus, Jupyter

**Technologies/Frameworks:** Linux, Git, JUnit, WordPress, JSON, ReactJS, Pandas, Numpy, Matplotlib, JavaFX, Flutter, Figma