

Ali Usmani

[Portfolio Website](#) • [Github](#) • [LinkedIn](#) • [Email](#) • Brampton, ON • (647) 676-5425

Skills

Programming: Javascript, Java, HTML, CSS, XML, C

Databases: MongoDB, Firebase, SQL, MySQL, PostgreSQL

Frameworks: ReactJS, NodeJS, Spring Boot, Angular, Material UI

Tools: Github, Git, VSCode, GSAP, Axios, Postman

Education

Bachelors of Computer Engineering (Co-op)

September 2021 - April 2025

Toronto Metropolitan University (formerly Ryerson)

- CGPA: 4.03/4.33
- Relevant Coursework: Algorithms & Data Structures, Discrete Mathematics, Object Oriented Design, Differential Equations and Vector Calculus, Microprocessor Systems, Software Systems

Projects

Movie Database Project

November 2023

Technologies used: **React JS, Java, Spring Boot, Axios MongoDB, Postman**

[Github](#)

- Developed a responsive full-stack project using Java and React that allows the users to review movies and admins to manage movies in a MongoDB database
- Designed the database schema with optimized one-to-many relationships for efficient data storage and retrieval
- Protected API calls using JWT and exception handling blocks and tested using Postman
- Secured, encrypted, and stored user/movie data in the database, enabling CRUD operations with SpringBoot

Instagram Clone

July 2023 - August 2023

Technologies used: **React JS, Firebase, Tailwind**

[Website](#) - [Github](#)

- Developed a responsive Instagram clone with the original's main features using Firebase for the backend
- Stored user data with Firebase and local storage and made authentication calls to display and update user info
- Implemented lazy loading and react loading skeletons to efficiently render content and minimize page load times

Excel Nutrition Tracker

July 2023

Technologies used: **React JS, Tailwind**

[Website](#) - [Github](#)

- Created a nutrition tracking website for users to manage their nutrition in a spreadsheet using the XLSX library and positively reviewed by 50+ members of the YMCA
- Integrated protected API call to CalorieNinja to fetch and display the nutritional facts of foods based on user input
- Employed XLSX library to collect and manipulate API data to present daily nutrition in a spreadsheet format

Library Management System

April - May 2023

Technologies used: **Java, JavaFX, XML**

[Github](#)

- Developed a library management system using by working with a team of engineers, addressing feedback and iterating on features to ensure optimal performance
- Designed use case diagram and implemented the Singleton design pattern for a centralized data structure
- Implemented exception blocks and ran unit tests for additional safety

Work Experience

YMCA of Greater Toronto

Brampton, ON

Maintenance Technician

June 2022 - Present

- Troubleshoot pool systems, ensuring correct chemistry of pool water as well as testing pool motors, filters and pumps to reduce system downtime
- Performed building repairs and maintained a clean and safe environment for improved customer satisfaction
- Communicated with my team and coworkers regularly to simplify workflow for each other
- Operated Metasys BAS system to control and regulate HVAC and pool mechanics