

Ali Usmani

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

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 Eng Analysis and Design, Differential Equations and Vector Calculus, Digital Systems, Software Systems

Projects

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
- Collected, encrypted, and stored user data using Firebase and local storage for a login/signup feature
- Manipulated data gathered from authentication calls to firebase to display and update user information
- 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 OOP principles in Java that enabled users to purchase books as well as administrative functionality
- Implemented Exception blocks to catch errors when storing or creating book/user profiles for additional safety
- Collected and managed user and book data for individuals accounts points with by doing CRUD operations

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

Skills

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

Databases: SQL, Firebase, MySQL, MongoDB

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

Tools: Github, Git, VSCode, GSAP, Postman, Solidworks, Excel