

Muhammad Abdullah

Software Engineer

📍 Pickering, Ontario

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EDUCATION

TORONTO METROPOLITAN UNIVERSITY

Bachelor of Science, **Computer Science** with Honours,

Toronto, Ontario

September 2021–April 2025

- Dean's List, Ryerson Scholar (\$4000).
- **Relevant Courses:** [Algorithms](#), [Data Structures](#), Computer Networks, Computer Security, and Database Systems.
- **GPA:** 3.5

TECHNICAL SKILLS

- **Languages:** C, C#, CSS3, HTML, Java, JavaScript ES6, NodeJS, Python, and TypeScript
- **Frameworks:** .NET, Angular, Bootstrap, Django, Jest, jQuery, ReactJS, SASS, and Tailwind
- **Databases:** MySQL, PostgreSQL, Prisma, SQL
- **Other:** Azure, AWS, DevOps

EXPERIENCE

Software Engineer

TMU's Department of Architectural Science

Toronto, Ontario

September 2024–Present

- Developed **REST APIs** to support data streaming, analytics, and BIM integration.
- **Freelance** support to Engineering Ph.D. students for any software development needs with strict deadlines.
- Collaborated in Agile and **waterfall** environments, working closely with researchers and industry partners.

Software Engineer Internship

Ontario Power Generation

Whitby, Ontario

January 2024–September 2024

- Developed and owned **5 full-stack web applications**.
- **Designed** and **optimized** databases, **refactored** backend services, and **enhanced** frontend performance, resulting in a **400%** reduction in process time.
- Developed an automated email notification feature enhancing company communications and workflow by **200%**.
- Developed a task scheduling service used to automate recurring tasks/jobs, cutting costs by **\$2000/month**.
- Employed **software engineering methodologies**, ensuring **robust testing** and **quality assurance**.

Information Technology Technician

Ted Rogers School of Management

Toronto, Ontario

January 2023–September 2023

- Wrote **SQL** queries to manage roles and permissions for university infrastructure.
- Served as the primary point of contact for customer support, handling over **50** incidents per day, some of which required live **troubleshooting** of emergency software malfunctions during ongoing classes.
- **Analyzed** and solved **software/hardware** issues and set up new device configurations using a [Linux shell](#).

RELEVANT PROJECTS

Class Manager (In Development) | [View Code](#) | [Angular 18](#), [.NET 8](#), [SQL](#), [PrimeNG](#), [Tailwind](#), [Open AI](#)

- **Implemented** grade tracking, schedule management, email notifications ([SendGrid](#)), and task scheduling ([Hangfire](#)).
- **Designed** a responsive and user-friendly UI using [PrimeNG](#) and [Tailwind](#).
- **Managed** data efficiently with [SQL](#), ensuring robust performance and reliability.
- **Integrated** full user **authentication** with **login**, ensuring secure access and data protection.

Weather App | [Visit Website](#) | [React](#), [JavaScript XML/ES6](#), [HTML](#), [CSS](#), [Tailwind](#), [OpenWeatherAPI](#)

- Shows users a local weather summary based on their automatically detected location.
- Integrates **real-time** weather data from the OpenWeatherMap [REST API](#).
- Custom styling inspired by Apple's Human Interface Guidelines.
- **Deployed** to production with Netlify.

Personal Portfolio Website | [Visit Website](#) | [HTML](#), [CSS](#), [JavaScript ES6](#)

- Developed and maintained a **responsive** personal portfolio website utilizing [HTML](#), [CSS](#), and [JavaScript](#). Used [Git](#) and [GitHub](#) for **version control**, and [Webpack](#) for bundling modules.
- **AB tested** the website UI/UX with my peer network to **optimize** click-through and engagement.