

# Abeed Mulla

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## EDUCATION

### Dalhousie University

Bachelor of Computer Science [Honours], CGPA: 3.45

Halifax, NS

Sep. 2022 – Sep. 2026

## EXPERIENCE

### Teaching Assistant

Dalhousie University ([Link](#))

Jan. 2024 - Dec. 2024

Halifax, NS

- Supported **150+** students across **30+** lab sessions, contributing to a **20%** improvement in lab completion rates.
- Assisted with Java labs and assignments, helping reduce common coding errors by **25%** through guided debugging.

## PROJECTS

### InternTrack | React, Firebase, Tailwind, Vite, Vercel ([GitHub](#)) ([Live Demo](#))

- Built a **full-stack React** web application using firebase to track **50+** internship applications in real time.
- Implemented resume-job description keyword matching, improving resume relevance feedback by **30%** for users.
- Designed a **React dashboard** with application analytics, reducing manual tracking effort by **40%**.

### Personal Portfolio Website | React, Vite, Tailwind CSS ([GitHub](#)) ([Live Demo](#))

- Built an interactive **single-page React portfolio** with smooth section navigation and project case-study views.
- Implemented dynamic UI features including **dark/light mode**, animated backgrounds, and responsive layouts.
- Designed a scalable component-based architecture using **Vite**, improving performance and maintainability.

### StudentHub | Android, Java, Firebase, Room, MVVM ([GitHub](#))

- Built an **Android application in Java** to manage classes, assignments, and breaks for **100+** academic tasks.
- Implemented offline-first storage using **Room (SQLite)** with Firebase sync, improving app reliability by **40%**.
- Designed smart reminders and Pomodoro focus mode using **WorkManager**, increasing task completion by **30%**.

### QuickCash | Android (Java), Firebase, Google Maps, FCM (Team-based course project)

- Contributed to a **full-stack Android application** connecting local job seekers with short-term job postings.
- Implemented **role-based authentication** (employer/employee) using Firebase Auth and Firestore.
- Developed **location-based job alerts** with Google Maps and Firebase Cloud Messaging.
- Built job posting, search, and application workflows with real-time updates and notifications.

### Custom HTTP Server & Reverse Proxy | Node.js, TCP Sockets, Networking ([GitHub](#))

- Built a **from-scratch HTTP server** using raw **TCP sockets** with manual HTTP request/response parsing.
- Implemented a **reverse proxy** with **round-robin load balancing** across **3 backend servers**.
- Designed request routing, health checks, and response forwarding, improving fault tolerance and backend isolation.

## ACTIVITIES & COMPETITIONS

### Dalhousie Programming Contest – Participant

Dalhousie University

Nov. 2025

Halifax, NS

- Solved algorithmic problems in a **2-hour, 5-question** contest under strict **no-internet** and **no-AI** constraints.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, C, C++, SQL, HTML5, CSS3

**Methodologies & Concepts:** OOPs, Agile Methodologies, RESTful Design, Data Structures & Algorithms

**Databases:** MySQL, Oracle RDBMS, Firebase Firestore, Postgres

**Developer Tools:** Git, GitHub, Linux, Android Studio, Postman, Wireshark, Tableau, MS Office

**AI Tools:** Microsoft Copilot, GitHub Copilot, ChatGPT-5, Google Gemini, Claude

**Interpersonal Skills:** Critical Thinking, Problem-Solving, Agile, Data Driven, Communication, Team Collaboration