

Abeed Mulla

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EDUCATION

Dalhousie University

Bachelor of Computer Science [Honours], CGPA: 3.42

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