

HANIA AAMIR

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EDUCATION

Bachelor of Science, Software Engineering

September 2023 - April 2028

Schulich School of Engineering, University of Calgary

- Courses: Networked Systems, Embedded Software and Hardware Systems, Object-Oriented Programming, Data Structures and Algorithms, Full Stack Web Development, Computer Organization, Applied Operating Systems, C/C++, Probability, Statistics and Machine Learning
- Available for internships starting May 1, 2026

CORE SKILLS

- Programming Languages: Python, Java, C, C++, HTML, CSS, TailwindCSS, JavaScript, TypeScript, Rust
- Frameworks and Libraries: Junit, React, Flask
- Tools and Environments: Git, GitHub, Visual Studio, Linux OS, Node.js, Figma
- Databases: SQL, MySQL, PostgreSQL
- Soft Skills: Leadership, Team Player, Problem-Solving, Critical Thinking, Time Management

PROJECTS

Disaster Relief Service

February 2025 - April 2025

- Created a disaster relief management system in **Java** to track victims, inquiries, supplies, and medical records
- Integrated **PostgreSQL database** backend for data storage and retrieval and applied **unit testing with Junit**

The Lantern Library

October 2025 - October 2025

- Developed a **TypeScript** and **React** web app featuring book exploration and daily quotes via public APIs
- Designed and styled a **responsive user interface using CSS**, incorporating appealing visuals and dark/light themes

Learning Management System

January 2025 – April 2025

- Collaborated with a partner to design and develop a full-stack Learning Management System using **HTML, CSS, JavaScript, Python & React**
- Developed user-friendly Login and Signup pages with **secure authentication** and a Quiz page with a **live timer**

Museum Database

October 2024 - December 2024

- Collaborated in and led a team in the development of a relational database schema for managing museum exhibits and collections
- Created **SQL queries and interfaces** for efficient record entry, updates, and searches using **MySQL**

EXPERIENCE

Schulich Ignite, Calgary, Alberta

October 2024 - December 2024

- Mentored students in **Python programming** and provided guidance on concepts and in-session exercises
- Marked assignments, delivering constructive feedback to support students in learning and improving

GoBabyGo, Calgary, Alberta

October 2024 - December 2024

- Working in a multidisciplinary team to help build a wheelchair for children with mobility disabilities
- Provided & developed code for the wheelchair remote to enable a hierarchy system for different **control modes in C**

Summer Camp Counsellor

June 2025 - August 2025

Islamic Association of Northwest Calgary, Calgary, Alberta

- Planned, executed and led Islamic studies, team-building exercises and games catered to campers aged 13-18
- Customized a Stripe Checkout page with **JavaScript, Flask, Python, and Webhooks** on Render to handle camp payments from Jotform

ReVOLT EV, Calgary, Alberta

September 2025 – present

- Collaborating with a multidisciplinary team to design and build an electric motorcycle for competitions
- Developing CAN-based data logging on **Raspberry Pi with Python and Bash**
- Assisting with **battery pack assembly** and PCB integration