

EBAD UR REHMAN

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Available for internships May 2026 – August 2027.

Education

University of Calgary – BS in Software Engineering (3rd year)	Apr 2027
Relevant Courses: Programming in C/C++, OOP in C++ & Java, Full Stack Web Development, Data Structures & Algorithms, Embedded Systems, Networked Systems, Applied Operating Systems (Linux), Software Design	
Self-Learning: AWS Certified Solutions Architect – Associate (SAA-C03) – certification IP	

Experience

AI Developer Intern, Quest – Remote	May 2025 – Aug 2025
<i>Python Flask LangChain LangGraph n8n REST APIs AWS Linux/UNIX Git</i>	
<ul style="list-style-type: none">Built cloud-native weather chatbot using microservices architecture with n8n workflows and <u>LangChain/LangGraph multi-agent system</u>, processing real-time IoT weather sensor dataDeveloped distributed system for electric vehicle advisor chatbot aggregating real-time pricing from APIsImplemented CI/CD pipelines using Git, participating in code reviews and deployed two multi-agent chatbots	
Manager and Web Designer, Designmen Consulting – Remote	Aug 2023 – Jan 2025
<ul style="list-style-type: none">Led end-to-end design and development of <u>3 business websites</u> for Calgary clientsManaged SQL databases and implemented data-driven SEO strategies using Google Search Console analytics, demonstrating proficiency in database management and statistical analysis of web traffic patterns	

Projects

Learning Management System	Full Stack Application
<i>React Flask SQL REST APIs React Context API HTML/CSS Linux/UNIX Git</i>	
<ul style="list-style-type: none">Developed scalable full-stack web application with <u>React frontend</u> and <u>Flask REST API backend</u> enabling course browsing, enrollment, and personalized dashboards with secure authentication and role-based access controlDesigned SQL database schema for efficient data retrieval and implemented Context API for global state management, ensuring responsive UI across desktop and mobile devicesEmployed basic Unix commands (e.g., grep, ls) to manage deployment environments and setup server	
Countdown Timer Application	PIC24F Embedded Project
<i>C PIC24F Microcontroller Timer Interrupts Change Notification UART Real-Time Systems MPLAB X IDE</i>	
<ul style="list-style-type: none">Collaborated in a team of 3 to design an interrupt-driven countdown timer with microsecond-precision timing, 4-state FSM (SETUP, RUNNING, PAUSED, FINISHED), and robust edge-case handling for seamless state transitionsEngineered power-efficient firmware utilizing Idle mode for <5% CPU overhead during inactive periods while maintaining sub-100ms button-press latencyUtilized UART serial communication (4800 baud) for terminal display, 2-LED output with dynamic blinking patterns	

MMA Workout Tracker	Athletic Disciplines Manager
<i>Node.js Express.js MongoDB JWT Auth REST APIs Git</i>	
<ul style="list-style-type: none">Built distributed workout logging platform using microservices with Node.js, Express.js, and MongoDB featuring JWT-based authentication, enabling athletes to track and analyze training session data across multiple disciplinesImplemented data aggregation and visualization features for statistical analysis of workout performance trends	

Technical Skills

Languages: C/C++, Python, Java, JavaScript, HTML/CSS

Frameworks & Tools: Flask, React, Vite, LangGraph, n8n, Git, AWS (EC2, S3, Lambda), Linux, MySQL

Soft Skills: Analytical Thinking, Problem Solving, Strong Communication, Team Collaboration, Detail-Oriented