

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

Python | Flask | LangChain | LangGraph | n8n | REST APIs | AWS | Linux/UNIX | Git

- Built cloud-native weather chatbot using microservices architecture with n8n workflows and LangChain/LangGraph multi-agent system, processing real-time IoT weather sensor data
- Developed distributed system for electric vehicle advisor chatbot aggregating real-time pricing from APIs
- Implemented 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

- Led end-to-end design and development of 3 business websites for Calgary clients
- Managed 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

React | Flask | SQL | REST APIs | React Context API | HTML/CSS | Linux/UNIX | Git

- Developed scalable full-stack web application with React frontend and Flask REST API backend enabling course browsing, enrollment, and personalized dashboards with secure authentication and role-based access control
- Designed SQL database schema for efficient data retrieval and implemented Context API for global state management, ensuring responsive UI across desktop and mobile devices
- Employed basic Unix commands (e.g., `grep`, `ls`) to manage deployment environments and setup server

Countdown Timer Application PIC24F Embedded Project

C | PIC24F Microcontroller | Timer Interrupts | Change Notification | UART | Real-Time Systems | MPLAB X IDE

- 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 transitions
- Engineered power-efficient firmware utilizing Idle mode for <5% CPU overhead during inactive periods while maintaining sub-100ms button-press latency
- Utilized UART serial communication (4800 baud) for terminal display, 2-LED output with dynamic blinking patterns

MMA Workout Tracker Athletic Disciplines Manager

Node.js | Express.js | MongoDB | JWT Auth | REST APIs | Git

- 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 disciplines
- Implemented 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