

Zoraiz Khan

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EDUCATION

University of Calgary, Canada

Graduated: December 2024

Bachelor of Science in Computer Science

- **Concentration:** Software Engineering
- **GPA:** 3.5/4, *Dean's (List 2023 – 2024)*
- **Related Courses:** Software Architecture, Software Management, Software Testing, Web-Based Systems, Design and Implementation of Database Systems, Data Structures & Algorithms, Design and Analysis of Algorithms, Operating Systems

CERTIFICATIONS

Amazon Web Services (AWS) Certified Cloud Practitioner

Issued: July 2025

EXPERIENCE

University of Calgary | <https://github.com/zoraiz2000/Volumetric-live-streaming-video>

Calgary, AB

Undergraduate Research Student and Software Developer

Jan 2024 – April 2024

- Engineered a **volumetric live-streaming system** in **Node.js**, optimizing performance through benchmarking and analysis.
- Leveraged **Docker Containers** for **platform independence**, ensuring seamless deployment across environments.
- Designed a **modular architecture**, enabling **scalability and future enhancements**.
- Authored a **research paper** documenting findings and improvements.

University of Calgary | <https://github.com/zoraiz2000/Course-Feedback-Analysis>

Calgary, AB

Undergraduate Research Student (Team Lead)

Jan 2023 – April 2023

- Developed a **machine learning model** in **Python** using **decision trees & information gain** to analyze student feedback.
- Generated **data-driven course recommendations**, improving decision-making for students.
- Enhanced student satisfaction by providing **personalized insights** based on feedback analysis.

VOLUNTEER AND LEADERSHIP

University of Calgary Career Fair

Nov 2023 & Jan 2024

- Volunteered at two different occasions where I facilitated smooth event operations by assisting in the registration of over 400 attendees and supporting over 50 employers in setting up their stalls, enhancing organizational and interpersonal skills.

University of Calgary Spring Convocation

May 2023

- Ushered over 500 guests at the Faculty of Science 2023 Spring Convocation, ensuring adherence to seating arrangements and enforcing presentation protocols, while developing skills in the event coordination, tactful communication, and crowd management.

PROJECTS

GPTStir | <https://github.com/zoraiz2000/gptstir-frontend> • <https://github.com/zoraiz2000/gptstir-backend>

- Developed an AI chatbot platform using **React (Vite)**, **Node.js (Express)**, and **PostgreSQL (AWS RDS)**, allowing users to chat with multiple AI models (**OpenAI**, **Anthropic**, **xAI**, **DeepSeek**).
- Integrated **OAuth 2.0 authentication** for secure user sign-in and optimized real-time interactions by enabling seamless AI model switching within conversations.

Portfolio Website | <https://github.com/zoraiz2000/website>

- Built a **personal portfolio** using **React**, **Next.js**, and **Tailwind CSS** to showcase projects and technical expertise.
- Enhanced **visibility to potential employers** with a professional design featuring a detailed resume and project highlights.

Rycho | <https://github.com/zoraiz2000/rycho>

- Built a **React TypeScript** application integrating **Spotify API & MongoDB**, enabling users to stream, share, and post music.
- Implemented **social features** like commenting and following, enhancing user engagement with music-focused interactions.

Byte Size | <https://github.com/zoraiz2000/ByteSize-MobileWebApp>

- Developed a **mobile web app** using **Blazor**, **C#**, and **.NET** for restaurant ordering systems.
- Ensured a **seamless user experience** across Android & iOS, reducing operational delays and improving customer satisfaction.

TECHNICAL SKILLS

Programming: Java, Python, HTML, CSS, PHP, JavaScript, TypeScript, C, C#

Frameworks: React.js, Next.js, Node.js, .Net

Databases: MySQL, MongoDB

DevOps & Tools: Git, Docker, Jira

Languages: English, Urdu

Interests: Health and Fitness, Cricket, Aviation (Private Pilot)