

QA

QAZI SABOOR ALI

Calgary, Alberta T2N 4V5
qazi.ali@ucalgary.ca / (+1) 587-966-2159

EDUCATION

Bachelor of Science in Engineering: Software Engineering

Expected in 09/2025

University of Calgary - Calgary, AB

- 3.8 GPA
- Dean's List 2023-2024

EXPERIENCE AND UNIVERSITY WORK

Data Analyst / Geothermal Energy Research Group University Of Calgary - Calgary, AB

05/2023 - 08/2023

- Developed and improved the physics-based model SoftSensor to analyze data for geothermal energy drilling operations using Python libraries including matplotlib, numpy, pandas.
- Adopted a peer programming approach to attain knowledge, exchange ideas, and collaborate closely using Git and GitHub for version control.
- Facilitated a more efficient and effective workflow, promoting better code quality and problem-solving skills.
- Analyzed the real-time drilling data and the comparison of SoftSensor predictions with actual measurements.

Java Application / Pet task scheduler.

- Developed a Java-based pet scheduler application using strong Object-Oriented Programming (OOP) principles, featuring a user-friendly Graphical User Interface (GUI).
- Worked effectively in a four-member team to successfully deliver the project.
- Prioritized modularity, code cohesion, and loose coupling for a maintainable and readable codebase.
- Utilized SQL for efficient data management and conducted thorough testing to ensure reliability and functionality.
- Demonstrated proficiency in Java, SQL, UML, Git/GitHub, and GUI development while solving complex pet scheduling challenges.

Web Development / Note Taking Full Stack

- Implemented a secure authentication model using JWT for user login and sign-up functionalities.
- Utilized Bcrypt methodology to ensure data security and protect user information within the app.
- Integrated the server-side functionalities using Express.js, allowing seamless communication with the database.
- Developed a dynamic and intuitive front-end using React, resulting in an enhanced user experience.
- Conducted extensive testing using Thunder Client, ensuring the reliability and efficiency of the APIs

AWARDS

University Of Calgary International Undergraduate Competitive Students Award 2022

University Of Calgary International Undergraduate Award 2023

Schulich School of Engineering Summer Research Award (May 2023 - August 2023) .

First Year Scholars University Of Calgary

CLUBS AND CERTIFICATES

Schulich Student Mentorship Program Certificate

Ask an Upper Year Club (University Of Calgary Club) - Seminar Commissioner

AC Robotics (University Of Calgary Club) - Sumo Bots:

· Sumo-bot from scratch · Robotics Control Systems · Arduino (Programming Language)

Tech Stewardship Practice Certificate

Engineering Leadership Certificate Program

Innovation and Core Concepts of Engineering Entrepreneurship Certificate

SKILLS

- **Technical:** Proficient in Python, Java, C++, SQL, React , Bootstrap, Tailwind CSS. Git, Github, Adurino.
- **Communication:** Excellent written and verbal communication skills, ability to explain complex technical concepts to non-technical clients.
- **Team player:** Experience working in cross-functional teams, strong collaboration and leadership skills.
- **Adaptable:** Quick learner, able to adapt to new technologies and methodologies.
- **Problem-solving:** Strong critical thinking and problem-solving skills, able to find creative solutions to complex problems.

WEBSITES, PORTFOLIOS, PROFILES

- <https://qazi-saboar-portfolio.netlify.app/>
- <https://www.linkedin.com/in/qazi-saboar-ali-231aa4292/>

- <https://github.com/QaziSaboorr>