

QA

## QAZI SABOOR ALI

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## 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) .**

## 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-sabooreportfolio.netlify.app/>
- <https://www.linkedin.com/in/qazi-sabooreali-275706290/>
- <https://github.com/QaziSaboore>