

SHAZ ALI

306-314-4749 | Shaz@ualberta.ca | Edmonton, Alberta

Introducing myself, I am currently a full-time student in 3rd year of University of Alberta doing a major in B.S. in Computer Science and a Minor in Mathematics. I personally have various interests including: Badminton, Table tennis, E-sports, Photography, Videography, Photo and video Editing, and lastly my interest in tech as to why I'm in this field.

Relevant Coursework

- ❖ Data Structure and Algorithms, Object-Oriented Design, File and Database management, Intro to Artificial Intelligence, Intro to Software Engineering, Formal Systems and Logic, and Practical programming Methodology.
- ❖ Applied Statistics, Calculus III, and Linear Algebra.
- ❖ Miscellaneous: EAS Violent Weather and Earth, Intro to Paleontology, Computer programming for Engineer, Intro to Engineering Design, Communication, and Profession, Website and App development from Mosh Hamedani.

Work Skills

- ✓ **Leadership:** Guiding, serving, and managing a large population as an IV volunteer Team-Leader while standing upfront and being the right-hand of VIP people. I can provide leadership skills in groups environments by getting everyone to follow a certain path/task under my direction to lead us for success.
- ✓ **Time-management:** My ability to complete tasks on time has always been well appreciated and have set an example for my commitment towards any task thrown.
- ✓ **Work-completeness:** Regardless of the difficulty of the task thrown, I always do my absolute best to get things done with completeness while also respecting deadlines.

Technical Experience

- **Programming:** Python, JAVA, C, SQL, MongoDB, and HTML & CSS – Web design.
- **Developer Tools:** VsCode, Android Studio, Spyder, Firebase, and React Native.
- **Framework:** Git, pytest, MySQL, SQLite, and MongoDB.
- **Miscellaneous:** Laser cutting, 3D Printing, Davinci Resolve, GIMP, Word, Excel, and PowerPoint

Technical Projects/Experiences

Amazon-like CLI (2025 - CMPUT 291)

- Using python and SQLite my task was to type the salesperson/Admin's interface code and debug the entire program throughout the process, while also manually testing and improving the code.

Lottery System Event booking (Present - CMPUT 301)

- A group work GUI Application (JAVA) to which I have created most of the Pre-development application screens map.
- While also working on the Front-end part of this project; the interface.
- My task also consists of doing the database management Using firebase and touching over to the Back-end part for a smooth working user interface.

Powertiles Presentation 2023

- I have researched, displayed, and presented in front of the upcoming Engineers about this project which is a futuristic non-fictional approach to generating electricity using the Kinetic force exerted through an individual by simply stepping over it. This approach has been implemented over a couple of places around the world and has yet to be part of Canada.

Miscellaneous:

- Created various papers based on the research papers made
- Engineer papers for physics
- Sustainability and Improvement of home insulations
- Statistics Report analysis, Data & graph retrieval,

Community Involvement

Ismaili Volunteer – Team Lead (Present - January 2025)

- Manage various ages of people by serving, guiding, and maintaining discipline
- Lead the other groups of volunteers and assign each individual their tasks
- I am also occasionally assigned to be the Right-hand of VIP people
- Be a crucial member for safety and Emergency exits

Certificates and Awards

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- ❖ Basic Engineering and Sustainability ENGG 160 – University of Alberta
 - ❖ WHMIS – University of Alberta
 - ❖ PALEO 200 – Intro to Dinosaurs in the Fossil Record
 - ❖ Governor General's Award – Bronze Medal (Prestigious Award in High School)

Additional information

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- ✓ Class 5 GDL License
 - ✓ Languages: English (fluent), Urdu (fluent), Pure Hindi (Amateur), Arabic (Basic)