isha.haider213@gmail.com

ishahaider

(587) 890-8432

IshaHaider

ISHA HAIDER

Software Engineering Major,
Mechatronics Minor

SKILLS

Technical
- Microsoft Word
- Microsoft Excel
- C/C++ (Programming)
- Python (Programming)
- Java (Programming)
- SQL
- Git/GitHub
- Basic Fullstack Development
- devOps and Cloud Integration
- Unity Platform
- Machine Learning
- Version Control

Non-Technical
- Public speaking
- Leadership
- Organization
- Multitasking
- Meeting deadlines
- Communication
- Teamwork
- Networking
- Marketing
- Project Management

EDUCATION

Bachelor of Science – Software Engineering, Mechatronics Minor

Schulich School of Engineering, University of Calgary

[Aug 2021 – Jun 2025]

- **Relevant Courses:** Data Structures & Algorithms | Fullstack Web Development | Computer Organization | Linear Algebra | Digital Circuits | Statistics and Machine Learning | Software for Data Management | Object-Oriented Design
- **Honors and Awards:** Women in STEM Scholarship | Kermet Archibald & Jacoba van den Brink Entrance Bursary | Digital Citizenship Graduation Award | Diversity Champions in Engineering Award | Alexander Rutherford High School Achievement Scholarship

ENGINEERING EXPERIENCE

Telemetry Software Team Member

Solar Car (University of Calgary)

[Dec 2022 – Present]

- Work in an interdisciplinary team to create "Schulich Helios" using past learning experience from "Schulich Elysia"
- Experience with all 3: Embedded systems, Viscomm, and Telemetry sub teams prior to specialization
- Future Plan: create MPPTs, manage all "front-car" boards by a single chip, improvements to AuxBMS
- Technologies Used: C/C++ | React.js | Mongo

Unity 2D Game Creation

Schulich Community Robotics Program (University of Calgary)

[Feb 2022 – Apr 2022] [3 months]

- Mentorship: children from ages nine to eleven years
- Leadership: ensured that every student received an optimal learning experience, answers all questions, guided in the coding, assisted in technical malfunctions
- Unity platform: students created a simple game

VOLUNTEERING EXPERIENCE

Vice President
Edu.Dialect (Student-Led)
[Sep 2021 – Present]
- Distribution of tasks amongst executive team: make sure that each member has an equitable amount of workload
- Project management: manage, schedule, and execute tasks
- Use of Zoom premium: schedule calls for volunteer-student pairs, monitor calls and overlook any technical issues
- Marketing and recruitment: recruit marketing team, overlook social media marketing

Teacher Assistant
Biology IB (Henry Wise Wood High School)
[Jan 2021 – May 2021] (5 months)
- Assisted Biology IB teacher
- Marking labs, assignments, quizzes, and organizing files

Co-Founder and Chapter Head of STEM Fellowship Club
STEM Fellowship (Henry Wise Wood High School)
[Sep 2020 – June 2021] (10 months)
- Leadership and public speaking skills
- Administrate STEM-related school activities
- Hosted panel discussions and in-school competitions

Vice President Human Resources
Company Program (JA Southern Alberta)
[Oct 2018 – May 2019] (8 months)
- Manage team members' tasks and ensure that all members are able to have an input to any executive decisions
- Nominated for "Most Innovative Product", "Best Shareholder's Report", and "Best Logo Award"

PROJECTS

Museum Database Management   *December 2022*
https://github.com/IshaHaider/Museum-Project
- Extracted data for current museum exhibitions and organized it into an SQL dataframe with queries.
- Implemented an application that connects to the database to be used for database maintenance, data entry, and browsing.
- The application has various access levels, privileges, and functionalities depending on the user type.
- **Technologies Used:** MySQL | Python | Microsoft Excel

Country Statistics   *December 2021*
https://github.com/IshaHaider/ENDG233-Country-Statistics
- Terminal-based data analysis and visualization program that used numpy and matplotlib modules to graphically present the data specified by the user
- Users can retrieve and/or compare country statistics in terms of population and gross domestic product within the years 2011 – 2020 either by itself or in comparison to another country.
- **Technologies Used:** Python|Microsoft Excel

Edu Dialect Directory   *Month Year*
GitHub Link:
- Description
- **Technologies Used:**