AADI UMRANI

N2L 3E8, Waterloo, Canada | apumrani@uwaterloo.ca | (+1) 548-255-2910

https://aadiumrani.netlify.app/ | https://github.com/aadium | www.linkedin.com/in/aadi-umrani

First year **Biomedical Engineering** student studying at the **University of Waterloo** looking for maiden co-op opportunity for the **Spring 2023 Term (May – August)**

Project Experience

Wheelchair Exercise Tracker | University of Waterloo (Canada)
Sep 2022 - Dec 2022
- Designed a solution that **enabled wheelchair users** to get an **improved quality of exercise.**
- Applied **different aspects of biomedical design** in the entire design process, from the problem definition till the prototype presentation.
- Applied technical skills, like **SolidWorks and C++**, for making the prototype design and data encryption, **machine shop skills** for fabrication of the prototype, and **MS Office** for Presentations and Reports and designed a visual abstract using **Canva**.

Random Database (C++ Individual Project) | University of Waterloo (Canada)
Feb 2023 - Mar 2023
- Developed a **C++** code using of **object-oriented programming (OOP)** to input values such as name, date of birth, email I.D., etc. into a csv file.
- Functions like adding, viewing, modifying, and deleting data from the csv file can be performed.

B-Mode (BME 121 Individual Project) | University of Waterloo (Canada)
Nov 2022 - Dec 2022
- Developed **C++** code to generate a **2D image** from input data received from an ultrasound scanner.
- Applied various concepts, **mainly classes, functions, OOP, and linked lists**.
- Prepared the final report in **MS Word**.

Website Development for Gavel Club | Indian Club Gaveliers (Qatar)
Jun 2018 - Dec 2018
- Developed the first version of the website for the Indian Gavel Club using **HTML and CSS**.
- The website content included Club vision, ExCom details, member's record, club activities and meeting records.

Pregnancy and Related Complications, MTP (High-School Project) | DPS MIS (Qatar**)**
May 2021 - Dec 2021
- The project mostly involved **online research**, as well as books available from the school library. It also included a **case study** based on a medical case.
- Used **MS PowerPoint** for presenting it to the class.

Volunteer Experience

Vice President – Public Relations | Indian Club Gaveliers (Qatar)
Jan 2017 – Dec 2020
- Developed club's inaugural website.
- Designed visually appealing flyers to promote various club gatherings and events.

Director – Photography Club | DPS Modern Indian School (Qatar)
Apr 2021 - Mar 2022
- Arranged photography workshops for the students to create interest in photography.
- Managed photography competition for students

Team Member | Indian Community Benevolent Forum (Qatar)
Jan 2021 - Dec 2021
- Gained volunteering experience by independently managing a task.
- Managed the registration of patients for various health camps organized by the forum.
- Assessed the patient's requirements & Managed appointments.

Core Skills

Languages
HTML, CSS, C++, Python, MATLAB

Tools
MS Office, VS Code, SolidWorks, Power BI

Achievements

- University of Waterloo President's Scholarship of Distinction.

- Scholar badge (Score > 90% throughout middle and high school years)

- Public speaking Awards at inter-club contests.

- Most promising tennis player by the school (2019-2020).

- Represented the school tennis team at the national level.

Certifications

Competent Communicator: Toastmasters International

Engineering Machine Shop Certification: University of Waterloo

WHMIS 2015: University of Waterloo

TCPS 2: CORE: University of Waterloo

Education

University of Waterloo (Sep 2022 – May 2027)
BASc Biomedical Engineering

DPS Modern Indian School (Feb 2010 – Jun 2022)

Higher Secondary School Education