AYESHA ARSHAD

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EDUCATION & EXTRACURRICULAR ACTIVITIES

Bachelor of Engineering: Electrical Engineering - McMaster University – Hamilton, ON   **2020-2024**
Project Developer – McMaster Makers   **June 2021 – Present**
Supportive Relations Executive – DeltaHacks   **July 2021 – Present**

EXPERIENCE

Production Engineering Fellow | Major League Hacking   **June 2021 – August 2021**

- Built a **Flask** web app that suggests restaurants based off user location using **IPinfo API** and **Yelp Fusion API**.
- Used **AJAX** and **PostgreSQL** to allow users to add restaurants to lists they create.
- Worked in a team to build a login/register system by building a **PostgreSQL** database in **Python**.
- Used **Docker** to containerize web app, **PostgreSQL** database and **NginX**, hosted on an **AWS EC2 instance**.
- As a team, created **CI/CD** pipeline to allow automated testing and deployment.
- Supervised all Frontend/API development.
- Used **Prometheus** and **Grafana** for monitoring.

EL Assistant | Kumon Math and Reading Centre | Ajax, ON   **November 2019 – March 2020**

- Directed and tutored a group of 3-4 children at once and tutored a new group every hour in a fast-paced environment.
- Supervised and monitored the progress of 40+ students while focusing on students who need extra help with classwork.
- Increased daily worksheet grading quota in 5 months by single-handedly grading all worksheets assigned quickly and marking additional student folders left unassigned by employees.
- Communicated with parents regarding their child's progress in oral communication, reading, writing, and math skills.

SKILLS

- Languages: Python, Java, JavaScript, C
- Technologies: HTML, CSS, MySQL, React Native, React, Flask, Docker, PostgreSQL, AWS, Firebase
- Communication: French, English, Urdu

PROJECTS

Robotic Arm   **November 2020 - December 2020**

- Led a team to code a virtual robotic arm in **Python** to lift and place 6 containers each holding a surgical tool for sterilization.
- Applied the use of a muscle sensor emulator to control the robotic arm with **Python**.
- Coordinated and checked in on the team frequently to ensure all team members have no questions or concerns.
- Recorded meeting minutes for all meetings and discussions held.

BillBoard App   **March 2021**

- Built a cross-platform app with **React Native** that notifies all app users when posts have been made in the app and allows users to view all posts by implementing **Firebase** Realtime Database in the app.

Hypertension Guide - DeltaHacks   **March 2021**

- Led a team to build a website in **React** that serves as a guide for individuals with Hypertension.
- Built a chatbot using **React** to create a Hypertension symptom quiz that interacts with the user by asking a series of questions regarding Hypertension symptoms.