

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

- Led a beginner friendly **React Native** workshop at DeltaHacks to teach attendees a new technology.

Supportive Relations Executive – DeltaHacks

July 2021 – Present

EXPERIENCE

Production Engineering Fellow | Major League Hacking

June 2021 – August 2021

- Built, containerized, and deployed a scalable Flask web app integrated with a **PostgreSQL** database on **AWS EC2 instance**.
- Set up **CI/CD pipeline** for the website through Github Actions for automated testing and deployment.
- Configured Linux systems and infrastructures.

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, C++
- Technologies: HTML, CSS, MySQL, React Native, React, Flask, Docker, PostgreSQL, AWS, Firebase
- Communication: French, English

PROJECTS

StreetEats

August 2021

- Built a **Flask** webapp with a **Python backend** that suggests restaurants based off user location using an API and allows users to login/register with a **PostgreSQL** database.
- Allows users to add/delete restaurants to user created lists.
- Deployed on an **AWS EC2 instance** with an **NginX reverse proxy**.
- Implemented **CI/CD** pipeline to allow automated testing and deployment, **cAdvisor** for monitoring, and **Docker** for containerization.

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.