Akash Sharma

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EDUCATION

McMaster University   **Sept 2020 – May 2024 (Expected)**
Bachelor of Engineering in Computer Engineering, Co-op | **3.8/4.0 Cumulative GPA**
- Dean's Honours List, McMaster Honours Award

EXPERIENCE

McMaster Start Coding   **Oct 2021 - Present**
Web Developer   Hamilton, Ontario
- Modernized the front-end for the McMaster Start Coding website to enhance user experience and attract **100+** new users
- Monitored task distribution within an **Agile environment** using **Jira team managed boards** to increase work efficiency
- Implemented **Bootstrap** features to improve the **Google Lighthouse** accessibility score by **60%** and keep events up to date
- Optimized **JavaScript** code to improve website performance by **20%** and automated tasks using **Mongo Atlas Cloud**

Buffalo Wild Wings   **Sept 2019 – Mar 2020**
Line Cook   Guelph, Ontario
- Mentored 3 trainees on how to satisfy customers' needs and communicate effectively in a fast-paced environment
- Achieved the **BWW Values - Manager Recognition - Hustle Award** after demonstrating a determined attitude in the workplace
- Collaborated with team members to successfully manage **1000+ orders** on a weekly basis to exceed customer expectations

PROJECTS

Meal Idea Generator ⬡
- Developed a full-stack meal app to help users conveniently generate meal ideas on a daily basis
- Built a **REST API** back-end with **Express**, **Node** and **MongoDB** with **Mongoose** to add **CRUD** functionality to the app
- Made HTTP requests using **Axios** to connect client with server and used **Postman** to perform **100+** API tests during development
- Constructed a **React** front-end with **React Router** for client side routing and **Bootstrap** to generate simple stylized elements

Gym Registration Bot ⬡
- Developed an automatic bot using **Python** and **Google Cloud Platform** to book optimal time slots at the school gym
- Implemented a **Selenium** script to initiate an instance of Chrome that interacts with the elements of the web page to navigate through the website and book a time slot in less than 10 seconds
- Hosted the app on the **Google Cloud Platform** via a **Docker Container** and **Google Cloud Run** to reduce energy costs by **100%**
- Applied **Cron Jobs** and the **Google Cloud Scheduler** to schedule the program to execute automatically at 6:30 AM every other morning, increasing number of booked sessions per month by **65%**

Connect 4 ⬡
- Led a team of 3 software developers to deploy a Connect 4 application using **Java**, allowing 2 users to play a game of Connect 4
- Incorporated **Object Oriented Programming** practices to create a player and chip class that stored data for the 2 players and each of the chips on the board, reducing the codebase by **70%**
- Designed a user interface using the Java API **2D Graphics** to build flexible and efficient game components to display to the user

LEADERSHIP

Google Developer Student Club   **Sept 2020 – Apr 2021**
Full Stack Team Member
- Communicated with a team of 5 full-stack engineers to discuss ideas for full-stack projects such as utilizing the Google Map API to create an app that displays the location of inputted coordinates
- Executed full-stack events that introduced full-stack development to **100+** programmers through tutorials and projects

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, C, C++, Matlab
Libraries and Frameworks: Bootstrap, Node.js, Express, React, Selenium
Developer Tools: Git, GitHub, Google Cloud Platform, MongoDB, Postman, Linux