Syed Shahid

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Summary

As a software engineering student seeking a coop/internship position, I am a reliable team player capable of adapting to multiple roles amongst agile processes and deadlines. I possess excellent communication skills for back-end deliverables and front-facing customer relations. Quickly learning and mastering new technologies, I am self-motivated with strong attention to detail. I am an avid learner and user of technology, who enjoys applying my knowledge toward solving real-world problems while working in groups and independently. I am committed to working hard to meet any challenges that may lie ahead. As a result of this commitment, I am confident in my ability to contribute positively to any team and excel in a fast-paced and challenging work environment.

Education and Certificates

BTech in Software Engineering (Expected Graduation Year: 2024)

McMaster University, Hamilton, Ontario

Computer Engineering Technology (Graduated – Advanced Diploma)

Humber College, Etobicoke, Ontario

Dean's List (Fall 2019, Winter 2020, Fall 2020, Winter 2021)

Skills

Programming languages:	C, JavaScript, Python (NumPy, Matplotlib, Pandas, Scikit-learn), Java, MATLAB
Web Technologies & VCS:	React, NodeJS, AWS (Cloud), REST API, Git, GitHub, CI/CD
Databases:	Oracle, MySQL, Firebase Real-Time Database, MongoDB

Experience and Projects

Home Monitoring Senior Capstone Project - Technologies used: Kotlin, Android Studio, Python, Raspberry Pi, Firebase Realtime Database, Firebase Cloud Messaging, Firestore Database, Firebase Authentication

https://www.youtube.com/watch?v=GDCdV11pFPg&ab_channel=SyedTShahid

Description: Developed a home monitoring system using a custom-built device on a Raspberry Pi and PCB board. We designed the user interface using Adobe XD, created an Android application in Kotlin using Android Studio (self-taught), and wrote a Python script to retrieve information from a BME280 and PIR motion sensor. We made a cloud connection between the device and Firebase Database, allowing us to store and retrieve information. Authentication was set up using Google as the main login platform and connected the Android application to Firebase to display real-time data on temperature, humidity, pressure, and motion sensor. If the motion was sensed, a notification message was sent to the homeowner using Firebase's Cloud Messaging platform.

Car Auction Website Project - Technologies used: Nodejs, React, Express, Azure App Services, Azure SQL

Description: Designed and developed a user-friendly auto auction website using modern cloud-based technologies, including React, NodeJS, Express, and MySQL hosted on Azure. The website allows users to post and auction their vehicles online, with features such as live bidding and commenting on vehicles listed for sale. My role in the project included designing the user interface, implementing the backend functionality, and more.