Huzaifa Syed

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EDUCATION

McMaster University — Hamilton, ON
Bachelor of Engineering (Computer Engineering) — *Sep. 2023 – Apr. 2027*
- **Grades**: 3.90 GPA, Dean's Honour Roll

TECHNICAL SKILLS

Languages: JavaScript, SQL, Python, Java TypeScript, PHP, HTML/CSS, C#, C++, C
Developer Tools: React, Next, TailwindCSS, Express, jQuery, Bootstrap, Vue, Flask, OpenCV, TensorFlow, AWS
Concepts: Data Structures & Algorithms, Object-Oriented Programming, Database Management, SDLC

EXPERIENCE

Software Development Trainer — Aug. 2022 – June 2023
Sinclair Coding — *Whitby, ON*
- Created/taught HTML/CSS/JS foundational lessons to teach responsive website fundamentals
- Troubleshooting experience aiding in semantic errors, layout issues, etc.

Youth in Policing Intern — July 2022 – Aug. 2022
Durham Regional Police — *Oshawa, ON*
- Facilitated youth forum for 550+ attendees, showing a 10% attendance increase from previous years
- Led and coordinated youth-centric events
- Collaborated in a team environment to achieve project milestones and enhance youth engagement strategies.

Software Engineering Intern — Feb. 2022 – June 2022
Digitera Interactive — *Ottawa, ON (Remote)*
- Enhanced event system UI using Vue.js, improving user engagement by 15%
- Secured login and registration systems through parameterized queries (PDO) in PHP
- Optimized back-end connections under guidance from senior developers

PROJECTS

AI-Powered Paper Piano ⎘ | *React, Flask, OpenCV, Python, TensorFlow* — Jan. 2025
- Allows users to draw a piano and start playing
- Implemented real-time key detection and hand tracking with OpenCV and TensorFlow
- Streamlined back-end communication using Flask SocketIO

Instagram Unfollow Tracker ⎘ | *JavaScript (Node.js), HTML/CSS* — Jul. 2024 – Aug. 2024
- Users reveal individuals they follow who don't follow back
- Scraped and processed user data from Instagram
- Identification of unfollowers without storing any user info

Quanser Interactive Self-Sorting Robot ⎘ | *Quanser Interactive Labs, Python* — Jan. 2024 – Feb. 2024
- Engineered an efficient movement system, increasing simulation accuracy by 10%
- Utilized colour and ultrasonic sensors to create a bin detection system
- Collaborated with design team to create functioning robot dispenser system