Huzaifa Syed

647-562-0696 | huzaifa_syed78@hotmail.com | linkedin.com/in/hs2005 | github.com/huzai4a | huzaifasyed.com

EDUCATION

McMaster University (GPA: 3.8/4.0) — Hamilton, ON
Bachelor of Engineering (Computer Engineering) — *Sept. 2023 - May 2027 (Expected)*

- **Relevant Coursework:** Digital Systems Design, Logic Design, Microprocessor Systems, Circuits & Waves, Electronic Devices & Circuits, Principal Programming, Data Structures & Algorithms, Probability & Statistics

TECHNICAL SKILLS

Languages: Verilog, JavaScript, Python, Java, TypeScript, SQL, PHP, HTML/CSS, C/C++, C#
Frameworks & Tools: React, Next.js, Express, Flask, TailwindCSS, OpenCV, TensorFlow, AWS, Git, Jira
Concepts: Data Structures & Algorithms, OOP, REST APIs, Embedded Systems, SDLC, Agile

EXPERIENCE

Full-Stack Developer Intern — May 2025 – Aug. 2025
myAIPathway — *Remote, Canada*

- Refactored & optimized legacy codebase, enhancing maintainability and reducing load times by 15%
- Developed a conversational chatbot for FredAI, reducing API usage costs by 40%
- Integrated multilingual capabilities to broaden user adoption and market reach

Frontend Developer Intern — Feb. 2025 – Apr. 2025
Arkhet AI Inc. — *Remote, Canada*

- Enhanced Arkhet AI's web platform with animations, improved UI, and responsive design
- Designed & optimized modular component architecture throughout weekly sprints
- Iterated features based on continuous feedback from beta testing

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*

- 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

Automated Mapping System | *Python, Open3D, C* — Jan. 2025 – Apr. 2025

- Developed a microcontroller-based system utilizing a LiDAR and motors to create maps of indoor environments
- Implemented real-time data acquisition and processing to generate spatial representations of room layouts
- Integrated sensor data with UART communication protocols for efficient data transmission and system control

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 using OpenCV and TensorFlow, achieving sub-100ms per-frame inference enabling responsive UX
- Streamlined back-end communication using Flask SocketIO

Instagram Unfollow Tracker | *JavaScript, 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