

Hasan

437-849-9199 | hasan.swe.dev@gmail.com | www.linkedin.com/in/hasan-in | github.com/MohHasan1 | hasan-swe.dev

EDUCATION

Seneca Polytechnic

Bachelor of Software Engineering

Toronto, Canada

Jan 2023 — Aug 2026

EXPERIENCE

Noun (Everyday Chemist)

Software Developer Intern

May 2025 – August 2025

Toronto, Canada

- Automated cosmetic product brief creation with an AI pipeline, cutting collaboration time from 3 months to hours.
- Built a Cloudflare-Mixpanel proxy to bypass ad blockers, capturing reliable analytics and improving the platform.
- Architected a scalable database schema in collaboration with cross-functional teams, enabling future platform growth and supporting business workflows.
- Developed an AI-driven matchmaking pipeline to connect brands with manufacturers, achieving 80–95% match accuracy and improving partnership workflows.

Lazem Holding Group

Software Engineer Intern

May 2024 – Aug 2024

Remote

- Led secure, client-side Document Management Tool with encryption, saving 50%+ by removing third-party costs.
- Co-designed Asset Management System, cutting manual tracking 100% and delivering a week early.
- Built SQL database schema for Training Management App, streamlining 300+ projects for admins and instructors.

PROJECTS

ParkAI (Real-Time Smart Parking Detection) | YOLO, C++, ESP32, Python, Flask | tinyurl.com/li-park-ai

- Trained YOLOv8 on Google Colab using public parking lot images to detect parked and empty spots accurately.
- Developed Flask server to process real-time camera feeds and relay spot availability to ESP32/FRDM.
- Programmed OOP logic on ESP32/FRDM, using multithreading for camera and controlling gate, LEDs, and LCD.

Algo-Maze (AI Maze Visualizer) | React, Zustand, Graphs | algo-mazes.netlify.app

- Built an interactive AI maze visualizing dynamic generation and solving algorithms, attracting 60+ students.
- Followed Agile workflow and Git for version control, writing clean, scalable React and state management code.

Byte-Link (Socializing App) | React, TanStack Query, React router, Appwrite | byte-link.netlify.app

- Built a social platform with API-driven CRUD and cookie-based authentication for secure content sharing.
- Added pagination, infinite scrolling, and background fetching for smooth, responsive user experience.

TECHNICAL SKILLS

Languages: TypeScript, Python, C/C++, C#, JavaScript, Java, PHP, SQL, HTML/CSS

Frameworks: React, Next, Node, Flask, Django, Spring Boot, WordPress, Drupal

Libraries: Tailwind, LangChain, Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, Cypress, Prisma

Cloud & DevOps: Git, Docker, Linux (Ubuntu), GCP, AWS, Azure, Vercel, Github-action

Networking: TCP/IP, DNS, HTTP/HTTPS, Routing (OSPF, EIGRP), Switching (VLANs, Trunking), Subnetting

CERTIFICATIONS

AWS Certified AI Practitioner - AIF-C01

Azure AI Fundamentals - Azure AI-900

([Badge Link](#))

([Badge Link](#))

LEADERSHIP

Presenter, OpenCV & MediaPipe Workshop (York University Gaming Hackathon)

Led a team to develop interactive applications with Pygame and presented to 50+ students ([Workshop Link](#))