

AHMAD HASHMI

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EDUCATION

Eastern Michigan University - Honors College

January 2025 – June 2028

Bachelor of Science in Computer Science, Minor in Information Assurance Security Architecture

Ypsilanti, MI

- GPA 4.0/4.0, Dean's List
- Undergraduate Researcher, Dr. Yin
- Co-founder & Secretary, Google Developer Student Club

AWARDS

1st Place / Best Use of AI powered by Reach Capital / Hack Dearborn 4	2025
1st Place / Capture The Flag / Hack Dearborn 4	2025
1st Place / MichiganDevFest	2025
1st Place / Best Use of Digital Ocean / SpartaHack XI	2026

EXPERIENCE

Technical Analyst Intern - Financial Operations

February 2026 – Present

DTE *Detroit, MI*

- Built **5+** **Python** automation pipelines across **6** business units, saving **12** hours per week during MEC.
- Migrated legacy reporting to **Power BI**, reducing report time by **120%**.
- Built real-time dashboards for financial close, translating **ambiguous** requirements into technical solutions.

Marketing Manager/Analyst

August 2025 – Present

Eastern Michigan University - Rec/IM

Ypsilanti, MI

- Led a 12-member team delivering campaigns to **5,000+** students, boosting participation and engagement across campus by **30%**.
- Built **Python** and **SQL** based analytics workflows to automate reporting and optimize marketing strategy.

Software Engineer

May 2025 – August 2025

AFL-CIO

Remote

- Developed and deployed a scalable full-stack website with **React**, **Next.js**, **TypeScript**, and **Tailwind CSS**, serving **5K+** monthly users and reducing deployment time using **Strapi Cloud** and **Vercel**.
- Integrated Strapi CMS **RESTful APIs** for dynamic content, automating updates and cutting manual work by **80%** while boosting organic traffic by with SEO optimizations.

PROJECTS

Real-Time Embedded ML Systems (Arduino + TensorFlow Lite)

February 2026 – April 2026

Tech Stack: TensorFlow Lite Micro, Nordic nRF52840, Python, C++

- Deployed neural network inference on a Nordic nRF52840 (ARM Cortex-M4) microcontroller using TFLite Micro.
- Trained CNN classifiers for gesture recognition (using 9-axis IMU) and keyword spotting (spectrograms from PDM microphone); applied INT8 post-training quantization

Open Source Contributor - Intel's Neural Network Distiller

January 2026 – April 2026

Tech Stack: Python, WSL, Git, Github

- Updated legacy Python 3.7 code to Python 3.11+, contributing to documentation via Git-based workflows.
- Extended functionality by implementing visualization and analysis tools.
- Implemented class creation to allow tool usage on Windows with graceful error handling for other OS.

Drone Flight Intelligence System

October 2025 – December 2025

Tech Stack: Python, Kafka, Spark, AWS S3

- Engineered a real-time pipeline with **Kafka** and **Spark Streaming** to ingest and clean **10K+** sensor telemetry points from drones, landing processed data in **AWS S3**.
- Built an **S3**-backed dashboard and prototyped anomaly-detection models in a Jupyter notebook to explore flight stability patterns.

TECHNICAL SKILLS

Frontend Tech: Next.js, React, Tailwind CSS, Typescript, JavaScript

Backend Tech: AWS, Docker, Git, SQL, Java, Python

Developer Tools: Figma, IntelliJ, Linux, Visual Studio code