

Mahmoud Ayman Abdelmohsen

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Professional Summary

Electronics & Communication student (graduating 2026) and aspiring AI/ML engineer. Delivered **100+ freelance projects** mainly in web development for Saudi clients, plus early ML work. Building strong AI foundations through projects and an AI & ML diploma (NLP, CV, LLMs, Generative AI) while leading Swift Technology.

Professional Experience

Chief Executive Officer (Part-time), [Swift Technology](#) – Remote (Ontario, Canada) Nov 2023 – Present

Led a small remote tech team delivering web solutions for international clients (part-time alongside studies).

Freelance Web Developer & Jr. ML Engineer, Upwork | Khamsat – Remote Jan 2022 – Present

Delivered **100+ freelance projects** mainly in web development (Laravel, responsive UI) for Saudi clients, including one production ML model and several ML prototypes; built **15+ production websites** with **95%+ client satisfaction**.

Education

Bachelor's in Electronics & Communication Engineering Aug 2021 – Aug 2026

Al Safwa High Institute of Engineering – New Obour City, Egypt (Expected Graduation: Aug 2026)

AI & Machine Learning Diploma, AMIT Learning – Maadi, Cairo Dec 2024 – Present

Advanced track: NLP, Computer Vision, LLMs, Generative AI. Building end-to-end ML systems using PyTorch, TensorFlow, Keras

Technical Skills

ML/DL: Supervised/Unsupervised Learning, CNNs, RNNs, LSTMs, Transformers, GANs, Transfer Learning |

Computer Vision: Object Detection, Segmentation, OpenCV | **NLP**: BERT, GPT, LLMs, Sentiment Analysis

Programming: Python, SQL | **Frameworks**: PyTorch, TensorFlow, Keras, scikit-learn, FastAPI, Flask, Hugging Face, OpenCV | **Software Engineering**: Design Patterns, Testing (PyTest), Git, CI/CD, REST APIs

Databases: SQL | **Vector Databases**: Pinecone, FAISS | **MLOps**: Model versioning, deployment, API operations

Featured Projects

Blood Cell Diagnostics

+95% accuracy on **17K+ images** (8 classes) via custom PyTorch CNN; Flask API/UI, containerized deploy. **Tools**: Python, PyTorch, OpenCV, Flask, Railway

Boston Housing Price Prediction

Decision Tree ML + Flask REST API; **78.8% R²**. **Tools**: Python, Flask, scikit-learn, Railway

Certifications

[Machine Learning with Python](#), IBM via Coursera Jul 2025

[Introduction to Deep Learning & Neural Networks with Keras](#), IBM via Coursera Jul 2025

[Deep Learning with Keras and TensorFlow](#), IBM via Coursera Aug 2025

[Introduction to Neural Networks and PyTorch](#), IBM via Coursera Jul 2025

[ARTIFICIAL INTELLIGENCE ENGINEER 1](#), Coursera

Languages

Arabic: Native | **English**: Professional working proficiency

Additional Information

Portfolio: mahmoudayman.me | **Upwork**: [Profile](#) | **Availability**: Full-time (post-graduation) or internship