

Mahmoud Ibrahim AbuAwd

AI & ML Engineer | Amman, Jordan

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Summary

AI/ML Engineer specializing in Machine Learning, Generative AI, LLM-based systems, and deep learning, with hands-on experience building and deploying intelligent AI systems, including RAG pipelines, multi-agent architectures, and production-ready models using PyTorch, Scikit Learn and TensorFlow. AWS Certified, with 20+ end-to-end AI solutions delivered from data preprocessing to cloud deployment. Seeking an AI Engineer role focused on scalable, real-world AI systems.

Education

Al-Balqa' Applied University — *Bachelor of AI and Robotics (2021-2025)* — GPA: 3.34 – Very Good — Jordan, Salt

Experience

AI Engineer, Kawkab AI — Sep 2025 – Present

- Collaborated with cross-functional teams to design and develop AI solutions, including LLM-powered agents, RAG pipelines, and classical ML models
- Gained practical experience in machine learning, deep learning, and AI model development and deployment
- Contributed to solving technical challenges and developing intelligent, data-driven solutions

AI Engineer, Future Advance Internet Solutions — Oct 2024 – Mar 2025

- Completed hands-on training at FAIS in AI, Deep Learning, and Data Preprocessing techniques
- Gained practical experience in data cleaning, transformation, and ML model preparation
- Applied skills to build intelligent systems that improve decision-making and drive business outcomes

Skills

Programming & Tools: Python (TensorFlow, PyTorch, scikit-learn, OpenCV, NLTK, pandas, Numpy), C++ (Arduino), Git

Machine Learning & AI: CNN, RNN, NLP, Computer Vision, Model Evaluation (ROC-AUC, F1), Generative AI (GANs, Transformers, LangChain, RAG), Prompt Engineering

Data & Visualization: Data Preprocessing, Feature Engineering, Power BI, Excel, Matplotlib, Seaborn

Embedded Systems: Arduino (UNO, Nano, Mega), Circuit Design, Robotics, IoT, 3D Modeling (Fusion 360, Tinkercad)

Deployment & Cloud: Flask, FastAPI, Streamlit, AWS (Certified), Microsoft Azure, Docker

Languages & Soft Skills: Arabic (Native), English (B2), Teamwork, Communication, Pressure Handling, Problem Solving

key Projects

MedGAN-SynTumorClassifier: (Graduation Project) – ([GitHub](#))

Developed and deployed a Flask web app that augments scarce brain tumor MRI data with 12 GANs (Meningioma, Glioma, Pituitary) and classifies tumor vs non-tumor using a Vision Transformer—producing high-resolution, realistic images indistinguishable from real scans, and achieving 92% classification accuracy for reliable diagnostic support.

Price-Pilot Agentic System: End-to-End AI for SMB Retailers - ([Github](#))

Price-Pilot Agent is an end-to-end, multi-agent AI platform designed to help small and mid-sized retailers sell smarter, restock automatically, and deliver reliably—all through a single conversational interface.

Recruitment-AI System: Multi-Agent AI for Candidate Evaluation - ([Github](#))

An intelligent recruitment system designed to streamline the entire hiring process by leveraging AI-powered candidate matching, comprehensive evaluation, and automated interviewing capabilities.

DevInsight Agent: Autonomous AI for GitHub Repository Analysis - ([Github](#))

Built a local AI agent that clones GitHub repositories, analyzes code quality, tech stack, and architecture, and generates detailed improvement reports using LLMs for actionable development insights.

PhishGuard: ML Based Threat Detection- ([Github](#))

This project compares Logistic Regression, KNN, and SVC for phishing website detection. It involves data cleaning, exploratory analysis, and model evaluation using metrics like accuracy, F1 score, recall, and precision.

Certifications and Courses

AWS Certified AI Practitioner — AWS (May 2025)

Preparing Data for Analysis with Microsoft Excel — Microsoft (March 2025)

Harnessing the Power of Data with Power BI — Microsoft (March 2025)

DeepLearning.AI TensorFlow Developer Specialization — DeepLearning.AI (Jan 2025)

Deep Learning Specialization — DeepLearning.AI (Sept 2024)

Embedded Systems — INJO (May 2024)

Data Science & Machine Learning using Python — The Hope International (March 2024)

Additional information

Volunteering/Activities: Google Developer Group (Oct 2024 - Present), IEEE (May 2024 - Dec 2024).

Research Papers: MEDGAN: Advanced Medical Image Generation (2025), The Role of AI in Improving the Criminal Justice System to Reduce Arbitrary Detention ([2024](#))