

Jasmine Fahmy

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SUMMARY

Kaggle Notebooks Expert and Data Science undergraduate with a strong foundation in **Computer Vision**, **NLP**, and **Generative AI**. Demonstrated expertise in building end-to-end AI pipelines, from data engineering to deployment (Streamlit/Cloud). Proven track record in competitive Data Science. Passionate about solving real-world problems using Multi-modal AI systems.

EDUCATION

Alexandria University

Bachelor of Computing and Data Science

Focus: Deep Learning, Computer Vision, Pattern Recognition, Statistical Analysis.

Alexandria, Egypt

Oct 2023 – June 2027 (Expected)

TECHNICAL SKILLS

AI & Machine Learning: TensorFlow, PyTorch, Scikit-learn, XGBoost, YOLO, OpenCV, Transfer Learning.

GenAI & NLP: LLMs Integration, RAG Concepts, TF-IDF, Hugging Face Transformers, Seq2Seq Models.

Languages: Python (Advanced), SQL, Java, R, JavaScript.

Tools & MLOps: Git/GitHub, AWS, Streamlit, Power BI, Jupyter.

PROJECTS

Multi-LLM Voice Assistant for Sunmarke School (UAE)

GenAI & AI Agents

Production-Ready Voice Assistant (Streamlit)

LangChain, Whisper, ElevenLabs, ChromaDB

Engineered a real-time, voice-enabled RAG system querying a custom knowledge base across 3 parallel LLMs (Gemini, DeepSeek, Kimi).

Integrated advanced audio processing (Whisper V3, ElevenLabs TTS) with noise gating to handle live browser voice inputs efficiently.

Developed an 'AI Judge' evaluation layer to dynamically evaluate and rank multi-model responses based on accuracy and relevance.

DOCTORY AI: Multi-Modal Diagnostic System

GenAI & Computer Vision

End-to-End Platform (Streamlit)

Python, YOLOv11, VGG16, LLMs Integration

Engineered a unified medical diagnostic platform combining **Computer Vision** (YOLOv11 for X-rays, VGG16 for Malaria) and

Machine Learning (Ensemble models for Diabetes).

Integrated an **LLM API** to translate complex model predictions into empathetic, human-readable medical advice.

Sales & Demand Forecasting (Ranked 31/109)

Machine Learning

Zaka AI Talents Competition

Scikit-learn, Random Forest, Feature Engineering

Achieved **Top 30%** ranking by developing a Random Forest Regressor to forecast inventory demand.

Boosted model accuracy by **18%** through advanced EDA, outlier detection (IQR), and strategic feature engineering.

Delivered actionable business insights for inventory optimization based on historical data analysis.

EXPERIENCE & TRAINING

AI & Data Science Trainee (Microsoft Track)

June 2025 – Dec 2025

Digital Egypt Pioneers Initiative (DEPI)

Completed intensive 6-month training on Azure AI services, specialized in Machine Learning pipelines.

Developed and deployed the "Doctory AI" capstone project, applying Agile methodologies and Git workflow.

Computer Vision Intern

July 2025 – Aug 2025

National Telecommunication Institute (NTI)

120 Hours

Built practical CV applications including object detection and face recognition using OpenCV and Deep Learning.

Collaborated with a team to optimize model inference time for real-time video processing.

Quantum Computing Trainee

June 2025 – Aug 2025

Alamein International University & AleQCG (QWorld Collaboration)

Delivered a predictive modeling project utilizing Quantum Machine Learning (QML), specifically implementing **Quantum Neural Networks (QNNs)**.

ACHIEVEMENTS

Kaggle Notebooks Expert: Ranked among top contributors worldwide for high-quality ML/DS notebooks.

Certifications: Machine Learning Specialization (Stanford/Coursera), AWS Academy Cloud Foundations.

Top 30% Winner: Zaka AI Egypt Sales Prediction Competition (Ranked 31/109).

Build with AI Hackathon Participant: Developed "Roshetta AI" using Google Cloud Platform (GDG Alex).