

Islam Kassem, AI / ML Engineer

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LINKS

[kassem.dev](#), [linkedin.com/in/elcaiseri](#), [kaggle.com/elcaiseri](#)

PROFESSIONAL SUMMARY

AI & Machine Learning Engineer with expertise in **LLMs, Generative AI, Deep Learning, and Computer Vision**. Pursuing an **M.Sc. in Data Science** while ranked as a **Kaggle Master (Top 1%)** and recognized as **Top-Rated on Upwork**. Proven track record in designing and deploying **production-grade AI systems** across recruitment, e-commerce, and enterprise domains. Skilled in **fine-tuning SOTA models, RAG architectures**, and **end-to-end MLOps pipelines**. Passionate about building scalable AI solutions that bridge cutting-edge research with real-world business impact.

EXPERIENCES

Jul 2024 — Present

AI / ML Engineer, Velents

Riyadh, Saudi Arabia

- Designed and deployed **Generative AI models (LLMs, RAG, Whisper ASR)**, improving recruitment workflows and automation.
- Built **video interview intelligence solutions** with real-time **facial recognition & sentiment analysis**, enhancing candidate evaluation accuracy.
- Engineered **AI meeting assistant agents** combining Whisper + LLMs to **transcribe, summarize, and contextualize meetings autonomously**.
- Implemented **resume-skill semantic matching using RAG**, increasing candidate-job fit accuracy.
- Optimized models with **MLOps practices** (CI/CD, MLflow, monitoring, A/B testing).

Aug 2023 — Jul 2024

Machine Learning Engineer, TwentyToo

Cairo, Egypt

- Developed **AI-powered search & recommendation engines** for fashion e-commerce, increasing engagement metrics.
- Implemented **auto-tagging & image retrieval systems** using **transfer learning & CNNs**.
- Leveraged **computer vision and embedding-based retrieval** to streamline fashion catalog management.

Apr 2021 — Aug 2023

AI & Machine Learning Engineer, Upwork

Cairo, Egypt

- Delivered **end-to-end AI projects** (NLP, computer vision, predictive analytics) for global clients.
- Specialized in **data pipelines, cloud deployment (AWS, GCP, Azure), and scalable ML APIs**.
- Consistently earned **Top-Rated** recognition by maintaining 100% client satisfaction across 50+ projects.

Oct 2018 — Apr 2021

Data Scientist / Kaggle Master, Kaggle

Port Said, Egypt

- Achieved **Kaggle Codes Master & Competitions Expert**, consistently ranking in the **Top 1% worldwide**.
- Solved advanced ML challenges in **deep learning, NLP, and structured data modeling**.
- Published **educational notebooks** and collaborated on open-source projects, fostering knowledge sharing.

EDUCATION

Jan 2024 — Present	M.Sc. in Data Science, Cairo University, Faculty of Graduate Studies for Statistical Research	Cairo
Sep 2016 — Jul 2021	B.Sc. in Electrical and Communication Engineering, Port-Said University, Faculty of Engineering	Port Said

SKILLS

Python, R, SQL, NoSQL (MongoDB, Cassandra), Bash	PyTorch, TensorFlow, Hugging Face Transformers, LangChain
Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI, AI Agents	Scikit-learn, FastText, OpenCV, NumPy, Pandas, Matplotlib, XGBoost, SpaCy, NLTK
Transformers, RAG, Whisper ASR, Prompt Engineering, LoRA/QLoRA, Function Calling	AWS, Azure, GCP (Vertex AI), Docker, Kubernetes, CI/CD, GitHub Actions
GPT, LLaMA, Mistral, Claude, Gemini, vLLM, Sentence-Transformers	MLflow, Weights & Biases, Model Monitoring, A/B Testing, Experiment Tracking
ETL Pipelines, Data Wrangling, Feature Engineering, Web Scraping, REST/gRPC APIs	Kafka, FAISS, Pinecone, Weaviate, Semantic Search, Vector Indexing

LANGUAGES

Arabic	Native speaker	Spanish	A1
English	Highly proficient		