

Contact

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Top Skills

Computer Vision

PyTorch

Applied Machine Learning

Mohamed Elmogy

Machine Learning Engineer | NLP & LLM Specialist | PyTorch | Transformers | Arabic Language Models
Jubail, Eastern, Saudi Arabia

Summary

Machine Learning Engineer with hands-on experience in NLP, LLM fine-tuning, and Computer Vision.

I specialize in:

- Transformer-based models & evaluation (BLEU, ROUGE)
- Fine-tuning with Hugging Face & QLoRA
- Python, PyTorch, TensorFlow
- Model evaluation & reproducible pipelines

Experience includes real projects in cross-lingual NLP, Arabic summarization, and object detection.

Open to ML/AI roles focused on NLP, LLMs, or applied ML engineering.

Experience

Electronics Research Institute

Research Internship in AI & Machine Learning at the Electronics Research Institute (ERI).

August 2025 - January 2026 (6 months)

Cairo, Cairo, Egypt

Built preprocessing and evaluation pipelines for dataset cleaning, tokenization, and reproducible model comparison.

- Fine-tuned ALLAM and MAREFA transformer-based LLMs for English–Arabic translation on ArzEn and Tatoeba data sets using Qlora technique.
- Achieved a sacreBLEU score of 0.987 on a 2,000-sample validation dataset

Education

Cairo University

Bachelor of Engineering, Computer Science and Artificial
intelligence · (September 2019 - May 2023)