

## Omar Saleh

ML Researcher — Amman, Jordan

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### Professional Summary

Experienced ML Researcher with a strong track record of building production-grade machine learning systems, from data engineering and model training to deployment and monitoring. Skilled in both research prototyping and scalable MLOps practices. Proven ability to lead cross-functional teams and deliver business impact.

### Technical Skills

Hugging Face Transformers, CUDA, Python, Time Series, Computer Vision (YOLO, Detectron2), API Development (FastAPI), NLP (BERT, GPT), Linux, Anomaly Detection

### Professional Experience

#### ML Researcher — AIWorks (1 yrs)

- Implemented continuous training pipeline using DVC and GitHub Actions to automate model retraining and versioning.
- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.
- Implemented knowledge distillation to create lightweight transformer models for edge deployment with 3x speedup.
- Optimized model inference using TensorRT and mixed precision; achieved 2.5x throughput improvement on GPU.

#### ML Researcher — InnoAI Labs (1 yrs)

- Implemented continuous training pipeline using DVC and GitHub Actions to automate model retraining and versioning.
- Designed and implemented an anomaly detection system for fraud detection using autoencoders and XGBoost for post-filtering.

### Selected Projects

- Optimized model inference using TensorRT and mixed precision; achieved 2.5x throughput improvement on GPU.
- Built recommendation system using collaborative filtering + content-based features; increased CTR in A/B test by 12%.
- Architected resume-parsing NLP pipeline using transformer-based models, custom NER, and rule-based post-processing to extract structured candidate data.

### Education

BSc in Computer Engineering — University of Science, 2016

### Certifications

- Certified Kubernetes Application Developer (CKAD)

### Languages

French (Conversational), Arabic (Native)

*Generated sample resume — 2025-09-30*