

# Rayan Alami

Deep Learning Engineer — Remote

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## Professional Summary

Experienced Deep Learning Engineer 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, Kafka, Data Visualization (Matplotlib/Seaborn), AWS (S3, EC2, SageMaker), GCP (BigQuery), Keras, Spark, PyTorch Lightning, NumPy, Computer Vision (YOLO, Detectron2), OpenCV, MLflow, Docker

## Professional Experience

### Machine Learning Engineer — VisionaryTech (1 yrs)

- Built recommendation system using collaborative filtering + content-based features; increased CTR in A/B test by 12%.
- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.
- Deployed scalable inference service on AWS with autoscaling, containerization (Docker), and serverless endpoints; reduced latency to <120ms.
- Designed and implemented an anomaly detection system for fraud detection using autoencoders and XGBoost for post-filtering.

### Machine Learning Engineer — InnoAI Labs (2 yrs)

- Deployed scalable inference service on AWS with autoscaling, containerization (Docker), and serverless endpoints; reduced latency to <120ms.
- Led an end-to-end image segmentation project for medical imagery; built data pipeline, trained U-Net variants, and reduced labeling time by 40%.

## Selected Projects

- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.
- Optimized model inference using TensorRT and mixed precision; achieved 2.5x throughput improvement on GPU.

## Education

BSc in Computer Engineering — University of Science, 2016

## Languages

Arabic (Native), English (Fluent)

*Generated sample resume — 2025-09-30*