

Zayd Rashid

ML Researcher — Beirut, Lebanon

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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

Time Series, AutoML, Linux, Kubernetes, Azure ML, Python, OpenCV, PyTorch Lightning, Tableau, NLP (BERT, GPT), PyTorch, TensorFlow, CUDA, Docker

Professional Experience

MLOps Engineer — InnoAI Labs (1 yrs)

- Implemented continuous training pipeline using DVC and GitHub Actions to automate model retraining and versioning.
- Built recommendation system using collaborative filtering + content-based features; increased CTR in A/B test by 12%.
- Designed and implemented an anomaly detection system for fraud detection using autoencoders and XGBoost for post-filtering.
- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.

AI Engineer — InnoAI Labs (1 yrs)

- Architected resume-parsing NLP pipeline using transformer-based models, custom NER, and rule-based post-processing to extract structured candidate data.
- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.

Selected Projects

- Led an end-to-end image segmentation project for medical imagery; built data pipeline, trained U-Net variants, and reduced labeling time by 40%.
- Designed and implemented an anomaly detection system for fraud detection using autoencoders and XGBoost for post-filtering.
- Deployed scalable inference service on AWS with autoscaling, containerization (Docker), and serverless endpoints; reduced latency to <120ms.
- Fine-tuned multilingual speech recognition model (wav2vec2) for domain-specific calls with 5% error reduction.

Education

BSc in Computer Engineering — University of Science, 2016

Languages

Arabic (Native), English (Fluent)

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