Omar AlTamimi

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EDUCATION

BSc, Computer Science (Honors) - **Jordan University of Science and Technology**, GPA: 3.51
Erasmus+ Student Exchange: Utena Kolegija, Lithuania — Sep 2024 - Jan 2025
Global UGRAD Exchange: Bluefield State University, United States — Jan 2025 - May 2025

SKILLS SUMMARY

LLM & Agent Systems: **A/B & McNemar Testing, Agentic Loops, Tool Calling, Evaluations, Guardrails**
Backend & APIs: **Python, FastAPI, JSON, PyTorch, n8n, Redis, DSS, REST APIs**
Data Science & Analysis: **SQL, NoSQL, Excel, Embeddings, Reranking, Fabric, Power BI, Vector DBs**
AI & ML: **GenAI, RAG, LLMs, Langchain, LangGraph, Webhooks, MCP, QLoRA, Agentic AI, Prompt Engineering, Power Automate, Azure AI, Microsoft Foundry, AI governance, LLM-as-a-Judge, KPI Dashboarding, System Architecture**
Cloud & DevOps: **Docker, Kubernetes, AWS, Azure, CI/CD, Agile, Jira, Confluence, Git/GitHub**

Practical skills: **Communication skills, Process mapping, Documentation, Problem-solving**
Languages: Proficient in **Arabic** and **English**, exposure to **German**

Experience

Estarta, AI Engineer — May 2026 - Present

- Created MLS platform that encompasses AI SEO optimization, AI Automations, & Image enhancements with custom **guardrails & evaluations** for AbuDhabi real estate ventures (dubizzle, propertyfinder, bayut)
- Integrated personalized AI assistant into Microsoft teams using **365 Copilot & work IQ MCP**
- Engineered Thinkprop full Confluence-to-Foundry workflow utilizing RAG pipeline, text-embeddings, hybrid semantic reranking, IQ foundry ground sources, Rovo MCP that decreased **latency by 22% and cost by 32%**
- Developed **0 hallucination** ADGM chatbot utilizing shanon entropy, quality impact, negative weights agent skill slots
- Trained, evaluated, and deployed an NLP **L2/L3 freshdesk tickets classifier**, boosting classification accuracy from **25% to 90%** across enterprise CX pipelines dedicated to (TAMM, ADREC, ELMS…)
- Delivered a containerized **LiteLLM gateway and routing proxy**, isolating credentials and load-balancing inference across (phi4-mini & opus 5) to eliminate upstream key exposure and reduce API latency by 18%
- Quanta Data governed MCP server that gives SaaS subscription tier using LangGraph agents using GPT-6.1Sol and Microsoft-Decision-1 through LLM proxy, and **Langfuse pipeline** evaluated on 5 metrics with **97% accuracy**: 8 MCP tools, 3 tiers, agent steps (router, analyst, verifier) for 29,556 sales
- **Built an analytical AI support platform** for ADGM that drafts replies to Freshdesk tickets for multi-tenant SaaS. It uses skill based prompt routing, PII masking, and tool-calling assistant in 26 service skills and 12 AI agent rules
- Built and secured an **MCP B2C real-estate solution**, exposing governed property analytics and transaction/conversion data to vendors for **property valuation and avg profit/loss scoring ±AED 100K–200K**
- Enhanced ADREC FAQ and navigation assistant using restricted Bing search, OCR, chunking, hybrid retrieval

Tarjama&, Software & AI Engineer — Sep 2025 - Dec 2025

- Created a timesheets platform for 100+ employees to track their duties/projects with continuous DevOps monitoring
- Used Domain Driven Design & engineered a containerized fullstack microservice (Docker,Jenkins,React,Flask,SQL)
- Developed customizable Agentic workflows with RAG pipelines integrating LLMs, vector dbs, hyperparameter tuning

Purdue University, Cybersecurity Academy, — May 2024 - Dec 2024

- Completed 15+ penetration testing and vulnerability assessment labs using Metasploit, Burp Suite, Nmap, and Kali Linux across simulated enterprise systems with 10+ DFIR incident investigations using Wireshark, Autopsy, Ghidra

AWS, Cloud re/Start, **Intern** **Jan 2024 - Apr 2024**

- Applying AWS Core Services like EC2, S3, IAM, VPC, RDS, SSM, Bedrock, SageMaker
- Utilizing network concepts, security fundamentals, database management, and reliable SDLC in LinuxOS

Wiley, Software Engineering and Devops, **Intern** **Oct 2023 - Mar 2024**

- Implemented JWT authentication, RBAC authorization, Redis caching, and ORM to optimize API endpoints
- Applied design patterns, clean code, web application using Java Frameworks (Spring Boot)
- Automated build and deployed pipelines via Devops methodologies like CI/CD, IaC, Docker, Maven, Github Actions

DOT Jordan, AI Engineer, **Intern** **Aug 2023 - Oct 2023**

- Trained and fine-tuned TensorFlow deep learning CNN models for object detection, classification, and tracking
- Managed image datasets and engineered Python ML pipelines for preprocessing, cleaning, and augmentation
- Optimized model inference and evaluated metrics for reliable, scalable computer vision deployments

TECHNICAL PROJECTS

NLP Misinformation Filtering & Credit Fraud Dedicated LLM,

- Gathered and analyzed 50,000+ news articles to isolate linguistic patterns, training multiclass classification transformers to achieve a 94% F1-score and reduce false positives by 15%
- Developed a fraud detection model on a multi-GPU cluster, incorporating reinforcement learning reward modeling to optimize precision-recall trade-offs on an imbalanced dataset of 284,807 transactions
- Fine-tuned XGBoost achieving a 92.7% PR-AUC with low-latency inference per transaction, minimizing FalsePostive

Decentralized Clustered DB System,

- Architected a distributed clustered system capable of indexing, querying, and processing 3 multimodal AI data streams (structured records, text embeddings, and binary assets) across scalable worker nodes
- Engineered Bootstrap, Worker, and Demo applications using RabbitMQ, automated node affinity, secure credential management (JWT, OAuth2, APIM, rate limits, OWASP), and broadcast workers
- Streamlined development process via Git, GitHub Actions, Docker, Kubernetes to scale, maintain, and debug

Research Assistant - GenImage Deepfake Researches - Dr. Malak Abdullah

- **Developed a SOTA Deepfake Detector:** robust AI generated face detection using SwinTransformer, EfficientNet, Xception architectures targeting diffusion based generative models (Midjourney, DFD, STGAN)
- **Optimized Training Workflow:** model training on Kaggle (T4 GPUs) clusters using Mixed Precision (fp16) and GradScaler, reducing training time by 20% while keeping high AUC-ROC scores
- **Advanced Data Pipeline:** custom data augmentation using Albumentations for unseen generators

Awards & Publications

- **AWS Cloud Practitioner**
- **Google 'IT automation' Certification**
- **JCPC (ACPC Qualifications)**
- **IEEE (Organizer & Participant)**
- **META Hacker Cup** **Oct 2023**
- **IEEEXtreme** **Oct 2023**
- **Hult Prize (Coordinator & Participant)**
- **MUN (Model United Nations) best delegate**
- **1st PwC FutureMinds Hackathon**
- **4th Amazon CodeCrunch Teckathon**
- **JUST CTF 2024**
- **BSU Robotics Team (Arduino)**
- **ICICS 2026 ACM publication**
- **GACLM 2026 IEEE acceptance**
- **FLLM 2026 IEEE acceptance**
- **Pioneers Academy, Leadership and Innovation**
- **Python, Data Analysis, ML** **(The Hope International)**