GHADA KHCHIMI *Data Science and AI Engineer*

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PROFILE

Final-year Engineering student in Data Science and AI and recent graduate of a Professional Master's Degree in Emerging Systems Engineering, with hands-on experience in machine learning, deep learning, agentic AI/LLMs and network security. Recently built an agentic platform at Metavizor Labs that automates AI model fine-tuning across text and image tasks. Fast learner, adaptable and strong problem-solver; trilingual (Arabic, French, English).

WORK EXPERIENCE

Network and Deployment Technician **09/2024 – Present**
Sofrecom Tunisie – Orange France *Tunis, Tunisia*

- Managing the migration from copper to fiber networks, including creating and overseeing NRO–PM optical links.
- Ensuring deployment quality and PCRS activity (SIG) + handling calls with technicians for coordination between the SI and what is actually being implemented in France.

End of Studies Project – M2 **02/2026 – 09/2026**
Metavizor Labs *Online*

- Building an agentic platform ("Automated AI Model Trainer") that turns raw data into fine-tuned AI models with minimal input, automating model selection, training, and evaluation across text and image tasks.

Graduation Internship **02/2024 – 05/2024**
Tawasol Technology *Charguia 1, Tunisia*

- Designed and deployed a campus network architecture, including simulation of real-world attacks and implementation of WithSecure endpoint security modules (EPP/EDR/EVM).

Observation Internship **01/2022 – 02/2022**
Tunisie Télécom El Kasbah *Tunis, Tunisia*

- Familiarized with Kali Linux, data center equipment, virtualization, and cloud computing concepts.

ACADEMIC PROJECTS

- **AI Health Coach:** mobile app where users log meals through food-photo recognition, chat with an AI health coach, track nutrition and health metrics, and receive personalized recommendations.
- **Tradeili — Intelligent Trading Assistant:** full-stack AI platform for market analysis, forecasting, anomaly detection, portfolio management, and multi-agent orchestration on the Tunisian stock exchange (BVMT).
- **Home Credit Default Risk (R):** credit risk prediction model to identify potential loan defaults and analyze key drivers of customer risk.
- **AI-Powered Network Anomaly Detection:** intelligent system analyzing network traffic to identify anomalies and detect potential intrusions using machine learning.
- **ShopMate — AI-Powered E-commerce Platform:** platform providing personalized recommendations, a real-time customer support chatbot, and an admin dashboard for products, orders, and users.

EDUCATION

Engineering Degree in Data Science and Artificial Intelligence **09/2025 – Present**
TEK-UP University (Evening Courses) *Ghazela City, Tunisia*

Professional Master's Degree in Emerging Systems Engineering **10/2024 – 09/2026**
UVT – ISET'Com Tunis *Ghazela City, Tunisia*

Applied Bachelor's Degree in ICT (Network Security) **09/2021 – 07/2024**
Higher Institute of Technological Studies in Communications of Tunis *Ghazela City, Tunisia*

SKILLS

Programming: Python, Java, C, C++, R, SQL, HTML, JavaScript, TypeScript, PHP

AI / ML: Deep Learning, Classification, Regression, Clustering, Model Selection, Cross-Validation, Hyperparameter Tuning, Imbalanced Data Handling, Anomaly Detection, Model Deployment, Fine-Tuning (LoRA/QLoRA), NLP, LLMs, Agentic AI, RAG

Frameworks: PyTorch, Keras, TensorFlow, Hugging Face Transformers, PEFT, Scikit-Learn, Opacus, LangChain, LangGraph, CrewAI, AutoGen, BeeAI, FastAPI, Streamlit, PennyLane, Qiskit

Data & Tools: MySQL, Oracle SQL, PostgreSQL, Firebase, MongoDB, Neo4j, Pinecone, Qdrant, HDFS, Docker, Git/GitHub, MLOps, AWS, Azure, Power BI, REST APIs

Statistics: Hypothesis & A/B Testing, Advanced Probability, Time Series, PCA, Clustering, Descriptive & Inferential Statistics, Feature Engineering

Methodology: UML, Agile Framework (Scrum), Process Improvement, KPI Tracking, Technical Documentation

Soft Skills: Leadership, Time Management, Teamwork, Critical Thinking

CERTIFICATIONS

- Machine Learning Specialization — DeepLearning.AI
- Building AI Agents and Agentic Workflows — IBM
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- Fundamentals of Deep Learning — NVIDIA (2nd Place, Final Quiz, BigTech Event)
- Applications of AI for Predictive Maintenance — NVIDIA
- Building Transformer-Based Natural Language Processing Applications — NVIDIA

LEADERSHIP & ACTIVITIES

- Former Member, Engineers Spark — ISET'Com
- Former Member, Google Developer Student Club — ISET'Com

LANGUAGES

Arabic (Native) | French (Proficient) | English (Proficient)