Manel MORSLI

Intelligent Systems Engineer / AI Engineer

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Driving License: Category B   Localisation: Azeffoun, Tizi-Ouzou, Algeria

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Personal Profile

Motivated and passionate AI engineer, curious and committed, with a strong desire to contribute to projects that foster innovation and change. Always eager to learn, adapt, and tackle new technological challenges.

Core Strengths

- Visual thinker with strong analytical and synthesizing skills
- Team-oriented and professional, with a calm and organized approach
- Strong sense of responsibility and practical orientation
- Creative mindset with excellent problem-solving abilities

Technical Skills

Programming: Python, Matlab, C/C++, YAML, LaTeX, Web Development, Linux
AI & Data Science Tools: Transformers, Computer Vision, YOLO, SAM, TensorFlow, PyTorch, Scikit-learn, Data Annotation (JSON, YAML), Ontologies, RDF, RDFS

Professional Experience

Computer Science Teacher – Middle School
- Developed communication and classroom management skills
- Learned how to handle critical situations and prepare engaging lessons

Banque d'Extérieure d'Algérie – Internship
- Gained an overview of banking operations
- Explored the IT division for project management and the telecom division for datacenter administration and data transmission

Regional Directorate Hassi Messaoud DP, Sonatrach – Internship
- Discovered IT departments, industrial development, database management, networking & security services, and datacenter operations

Technical Projects

- **Master's Thesis (UMMTO)**: Design of an intelligent early-diagnosis system for breast cancer using Traditional Chinese Medicine (YOLO, SAM, Roboflow, Computer Vision, Machine Learning, Generative AI)

- ***Ontology Project – Fashion Industry***: Built an interactive ontology using Protégé, OWL, RDF, RDFS
- ***Chatbot Development – UMMTO***: Created a chatbot for student FAQs using NLP, Transformers (GPT, T5)
- ***Data Mining Projects***: Compared regression, clustering (K-Means, DBSCAN), and classification (SVM, Random Forest, KNN) (Pandas, NumPy, Scikit-learn, Matplotlib, Jupyter)
- ***IoT Project – "Smart Greenhouse"***: Real-time monitoring system using Arduino, sensor networks, Node-RED, InfluxDB, OpenWeatherMap, Grafana
- ***Bachelor's Final Project – "DentalPlan" Web Application***: Team leader for a dental appointment booking solution (HTML, CSS, JavaScript, PHP, MySQL)
- ***Startup Concept Project***: Proposed and modeled a startup idea for artisans and manual workers

Education

Master's Degree – Intelligent Computer Systems (UMMTO), Tizi-Ouzou, Algeria
Advanced training in Artificial Intelligence (Machine Learning, Deep Learning, etc.)
Bachelor's Degree – Computer Systems (UMMTO), Tizi-Ouzou, Algeria
Strong foundation in computer systems and programming
Baccalaureate – Mathematics (Aghri Mohammed Said High School), Azeffoun, Tizi-Ouzou, Algeria

Languages

Arabic: Fluent
French: Professional Proficiency
English: Professional Proficiency
Tamazight: Native

Interests

Artificial Intelligence | Cybersecurity | DevOps | Cloud Computing | Scientific Research | Teaching | Entrepreneurship | Fashion Design | Traditional Sewing | Cooking & Food Business | Creative & Innovative Tech Solutions

Certificates

Computer Maintenance & Network Installation, Tizi Ouzou, Algeria