Mohammed Ali AMZYL

amzyl.mohammedali@ensam-casa.ma | +212-657-519-335 | LinkedIn: linkedin.com/in/mohammed-ali-amzyl | GitHub: github.com/ALIDmed

EXPERIENCE

SYGMA.AI   May 2024 – Jun 2024
Data Science Intern
- Developed a computer vision system using OCR and an image processing pipeline to extract information from car registration cards, improving data processing speed by 45% and reducing data entry errors.
- Performed fine-tuning of a license plate recognition model based on YOLO, achieving 98% accuracy, simplifying verification for insurance companies, and helping automate vehicle identification.

ADOA Consulting   Mar 2024 – May 2024
Data Science and Software Engineer Intern
- Created a data processing pipeline for pharmaceutical research, scraping over 200,000 medications using Selenium and MongoDB Atlas for efficient storage.
- Developed a SAAS analytical dashboard with React and Express JS, facilitating market trend visualization and competitor analysis.
- Integrated an AI chatbot assistant using Google Gemini LLM, enhancing data interpretation and increasing user satisfaction by 30%.

EDUCATION

ENSAM   Sep 2020 – Jun 2025
Master's in Software Engineering & Artificial Intelligence

Abdelkhalek Torres High School   Sep 2018 – Jun 2019
Scientific Baccalaureate, GPA: 18/20

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C
Databases: SQL (PostgreSQL, MySQL, Oracle), NoSQL (MongoDB)
Data Science Libraries: Pandas, Numpy, Matplotlib, Seaborn, Plotly, Power BI, Scikit-learn, XGBoost, Keras, TensorFlow, PyTorch, Transformers, LangChain, OpenCV
Machine Learning: Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering, Anomaly Detection), Deep Learning (CNNs, RNNs, LSTMs, Transformers), Neural Networks, Recommendation Systems, NLP, Computer Vision, Statistics, Probability, Math, Linear algebra
Others: Linux, Git, Docker, Slack, Web Scraping (selenium, Beautiful Soup), Unity, GCP, AWS

PROFESSIONAL CERTIFICATES

Data Science Professional Certificate	IBM
Professional Data Scientist	Datacamp
Deep Learning Specialization	DeepLearning.AI
Machine Learning Specialization	DeepLearning.AI
Data Analysis Certificate	Udacity
AWS Academy Cloud Foundations	AWS Academy

PROJECTS

JWAL | AI Tourist Companion: Developed an AI tourist assistant application to improve travel planning, and provide personalized historical information, using LangChain, YOLO, Chainlit, and Tavily RAG.
FootVision | Football Performance Analysis and Insights Tool: Created a computer vision system to analyze football videos, detecting players and ball. Generates heat maps and passing networks for team performance insights, using OpenCV, PyTorch, YOLO, and Matplotlib.
SimpleNN | Comprehensive Neural Network Implementation Library: Created a neural network library in NumPy, including all components necessary for building a neural network.
Movie Whisper | Movie Recommendation System: Developed an AI and NLP-based movie recommendation platform, using Scikit-learn, Pandas, Selenium, Flask, and ReactJS.

Competitions

Think AI Morocco (1337AI and Math&Maroc)
MIATHON'02

Langues

English: Fluent
French: Fluent
Arabic: Native