Hmada Mouhcine

SOFTWARE DEVELOPER & AI ENGINEER

(3+ YEARS OF EXPERINCE)

| Location: Warsaw | Hmadamouhcine@gmail.com | +48 797292460 | www.linkedin.com/in/mouhcinehma
| Github.com/mohssinehamada

PROFESSIONAL EXPERIENCE

AI & SOFTWARE ENGINEER (LLM AGENT FELLOW)

FELLOWSHIP.AI | SAN FRANCISCO, CALIFORNIA | MAR 2025 – JUN 2025

- Developed an autonomous web agent using Gemini API and OpenAI, scraping 50+ sources with 95% accuracy, cutting manual research by 80%.
- Engineered and scaled a modular data pipeline with NeonDB, ingesting 10K+ records/day, with 99.9% uptime and 40% faster processing via API orchestration.
- Gained experience in LLM orchestration, prompt engineering, and cloud-based scalability, contributing to system-wide performance improvements.

AI & SOFTWARE ENGINEER

GLP SOFTWARE | WARSAW , POLAND | FEB 2025 – PRESENT

- Delivered 10+ AI-integrated software solutions for startups and entrepreneurs, with a 95%+ satisfaction rate and 60% client return rate.
- Built and deployed ML models including trading predictors (87% accuracy) and developed 3 CRM platforms with secure auth and real-time dashboards.
- Engineered LangChain-based RAG pipelines using OpenAI & Pinecone, automating document insights over 10K+ records/week, improving data workflows by 45%.

AI & FULL-STACK DEVELOPER

FREELANCE | REMOTE | JUL2023 – JAN 2025

- Delivered custom software solutions to various clients, ranging from startups to individual entrepreneurs.
- Designed and developed CRM applications, integrating user authentication, data analytics dashboards, and scalable back-end systems.
- Built and deployed machine learning models, including predictive models for stock trading, using Python libraries such as Scikit-learn, TensorFlow, and PyTorch.

MACHINE LEARNING RESEARCHER

FELLOWSHIP.AI | SAN FRANCISCO, CALIFORNIA | JAN 2023 – JUN 2023

- Trained and optimized deep learning models (CNN and Siamese networks) on over 10,000 multi-temporal satellite images, achieving 96% accuracy in land-use change detection and disaster damage assessment, exceeding industry benchmarks by 20%.
- Developed an autonomous AI agent for domain-specific web scraping and structured data extraction using the Gemini API.
- Designed and deployed an end-to-end pipeline in Python for automated data retrieval, parsing, enrichment, and storage in a Neon PostgreSQL database (15,000+ records/week).

TECHNOLOGIES

Methodologies: Agile, Scrum,

Clouds: AWS, Azure,

Python: scikit-learn, tensorflow,keras, pytorch, xgboost, transformers,beautifulsoup4,django, numpy, pandas, pandas,matplotlib

Database: SQL, Neon, MongoDB, Hadoop

Other languages: JavaScript, Java, jQuery, PHP, C#, C++, .NET

Front End: JQuery

Design: UML, Design patterns

IDE: Visual Studio Code, Visual Studio

SDL: GIT, GitHub

Communication: Slack, Microsoft Teams, GoogleMeet/Chat

Databases (SQL/NoSQL): MYSQL, SQLite, MongoDB, Neon, Hadoop

Machine Learning & AI: Supervised/Unsupervised Learning, Deep Learning (CNNs, RNNs, GANs), Reinforcement(Reward Shaping, Policy Gradients, Exploration-Exploitation, Value Function Approximation) Learning, NLP, T5, GPT, Hugging Face, Reinforcement Learning, Transformers, Prompt Engineering & Fine-Tuning, AI Agent Development, Gemini API.

Data Analytics & Visualization: Exploratory Data Analysis (EDA), Matplotlib, Seaborn, Plotly, Excel.

FRAMEWORKS: TensorFlow, PPO, DQN, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV, AzureDatabricks, LangChain, ML Pipelines, Stable-Baselines.

EDUCATION

Vistula University, Warsaw Poland
Master of Science in Computer Engineering

ENSA, Khouribga, Morocco
Master of Science in Artificial Intelligence(M1)

ENSA, Khouribga, Morocco
Bachelor in Artificial Intelligence and Big Data

LANGUAGES

English	C2 - Fluent
French	C1
Arabic	Native