Yahya BELLMIR   AI & Data Science Engineer

+212 7 78 66 40 75 · yahyabellmir@gmail.com · Morocco, Meknes *(open to relocation)* · 🔗 · ⚹ · MyPortfolio ⬈

AI Data Science Engineer with solid experience in **Machine Learning** and **Artificial Intelligence** model design, seeking an **end-of-studies internship (February–March 2026)** to contribute to the development of impactful, production-ready AI solutions.

EDUCATION

Higher School of Arts and Crafts (ENSAM) : — Meknes, Morocco
- Engineering Cycle: *Industrial Engineering **Artificial Intelligence** and **Data Science*** — September 2023 – July 2026
- *Integrated Preparatory Year* — September 2021 – July 2023

EXPERIENCE

Data Scientist Intern, Declic (500 Global) *Data Science* | Remote (Paris, France) — June 2025 - September 2025
- Fine-tuned **TinyLlama** (SFT & DPO) as a lightweight event recommender with a dialogue system for complex requests.
- Achieved **91.3%** accuracy with a sequential **SFT→DPO** strategy, outperforming the **88.1%** SFT baseline.
- Engineered a **T5-based** data generation pipeline to automatically convert logs into instructional datasets.
- Containerized the final model for production-level inference using **Docker** and **Ollama**.

Internship, RADEM Meknes *Web Development* | On-site (Meknes, Morocco) ⚹ ⬈ — August 2024 - September 2024
- Engineered a full-stack supervisor management app using **Java**, **Spring Boot**, and **Spring Security**.
- Architected secure JWT/BCrypt authentication and developed a responsive UI with **HTML/CSS** & **Bootstrap**.
- Streamlined the full deployment pipeline by containerizing the final application with **Docker**.

Certificates

Microsoft: Career Essentials in Generative AI by Microsoft and LinkedIn	2025
Agile Enterprise Coach: Agile Fundamentals Certification	2025
DataCamp: Certified Associate Data Scientist | Career Certification	2025
ExpertEase Education: Power BI Fundamentals A to Z	2025
Udemy: Docker for Beginners: a Hands-On Practice Course (+12 hours)	2025
DataCamp: Data Engineer in Python, Deep Learning with PyTorch | Career Tracks	2025
French Institute: DELF B2 (Diplôme d'Études en Langue Française)	2025

PROJECTS

AI Platform for Test Plan Generation | NLP & RAG — October 2025 - January 2026
- Engineered parser extracting structured requirements (ID, type, priority) from **PDF/DOCX** specification documents.
- Built **RAG pipeline** (**FAISS**, **Embeddings**) generating complete test plans with cases, steps, and Req↔Test traceability.
- Deployed as SaaS with **FastAPI**, **Makerkit**, **Docker Compose**, enabling automated Excel/JSON export of test suites.

NetPlag-Stream: Distributed Plagiarism Detection System | AI & Big Data ⚹ ⬈ — October 2025 - December 2025
- Built distributed pipeline with **Spark Streaming**, **Delta Lake**, and **ElasticSearch** for real-time academic document indexing.
- Implemented automated similarity evaluation against **HDFS** database, first streaming-based plagiarism detection.
- Containerized Spark, HDFS, Elasticsearch and Flask with **Docker Compose**, orchestration and persistent volumes.

Multi-Agent System for Mapping and Surveillance | Robotics & AI ⚹ ⬈ — February 2025 - June 2025
- Engineered cooperative exploration algorithm (**Python**, **Webots**) with real-time map fusion and **deadlock resolution**.
- Integrated **YOLOv8** object detection with smart alarm system for duplicate alert prevention and coordinated surveillance.

Automated Access Control System via ESP32 and RFID | IoT & Industrial Engineering ⚹ ⬈ — April 2025 - June 2025
- Engineered secure IoT access control with **ESP32**, **RC522 RFID**, electric lock, and **Arduino** programming.
- Developed **PHP/MySQL** web interface for badge administration, access logging, and real-time monitoring.

SKILLS

Languages	Python, C, C++, Java, TeX, JavaScript, HTML, CSS
Software & Tools	Linux, TensorFlow, PyTorch, Docker, OpenCV, React, Spring Boot, Git, Power BI, Apache Spark, Hadoop, ElasticSearch, ESP32, Arduino
Academic	Machine Learning, Deep Learning, Data Science, Data Analytics, Big Data, Industry 4.0, Prompt Engineering, Computer Vision, NLP, Lean Six Sigma
Soft Skills	Time Management, Problem-solving, Engaging Presentation, Leadership, On-site Coordination, Teamwork, Adaptability, Communication
Frameworks	RAG, ReadTheDocs, Hugging Face, Langchain, Ollama, Fine-tuning, REST APIs
Methodologies	Agile, Scrum, DevOps, CI/CD, Documentation
Office Software	Excel, Word, LaTeX, PowerPoint

Languages

- **English**: fluent   – **French**: fluent   – **Arabic**: Native