Yahya BELLMIR

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AI & **Data Science** Engineering student specializing in **Machine Learning**, **NLP**, and **Computer Vision**, seeking an end of studies internship (**PFE**) starting **February-March 2026** in AI/Data Science, ML, or related IT fields to build impactful, data-driven applications.

EDUCATION

Higher School of Arts and Crafts :	September 2023 - July 2026
Engineering degree : *"Industrial Engineering **Artificial Intelligence** and **Data Science"***	Meknes, Morocco
Higher School of Arts and Crafts :	2021 - 2023
Integrated Preparatory Year	Meknes, Morocco

EXPERIENCE

Data Scientist Intern, Declic (500 Global) *Data Science* | Remote (Paris, France)　　June 2025 - September 2025
- Fine-tuned a **TinyLlama** model using SFT & DPO to build a lightweight LLM event recommender.
- Creating a dialogue system to interpret complex user requests (intention, tone, location).
- 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

Huawei Certification: Artificial Intelligence Technology and Applications	2024
Microsoft:Career Essentials in Generative AI by Microsoft and LinkedIn	2025
Udemy: Mastering the Seven Essential Quality Improvement Tools	2025
Agile Enterprise Coach: Agile Fundamentals Certification	2025
DataScientist.fr: Introduction to Docker	2025
DataCamp: Associate Data Scientist	2025
ExpertEase Education: Power BI Fundamentals A to Z	2025
Udemy: Master Python Web Scraping & Automation using BS4 & Selenium	2025
Udemy: Docker for Beginners: a Hands-On Practice Course (+12 hours)	2025

PROJECTS

Multi-Agent System for Mapping and Surveillance | Robotics & AI ○ ↗　　February 2025 - June 2025
- Engineered **cooperative exploration algorithm** (**Python**, **Webots**) with real-time map fusion across multiple e-Puck robots.
- Implemented **intelligent deadlock resolution** using shared positional data to prevent maze navigation failures.
- Integrated **YOLOv8** with **smart alarm system** preventing duplicate alerts and enabling coordinated surveillance responses.

Automated Access Control System via ESP32 and RFID | IoT & Industrial Engineering ○ ↗　　April 2025 - June 2025
- Engineered a secure IoT-based access control system integrating an **ESP32**, **RC522 RFID**, and an electric lock.
- Developed a dynamic **PHP/MySQL** web interface for seamless badge administration and detailed access logging.
- Oversaw complete hardware integration and conducted rigorous functional testing within a local XAMPP environment.

AI Platform for Test Plan Generation | NLP & RAG　　October 2025 - Present
- Development of a system for extracting and structuring requirements (PDF/DOCX).
- Implementation of a **RAG** pipeline (Embeddings, **FAISS**) for Q&A on specifications with citations.
- Automatic generation of traceable test cases (Requirement → Test Case) with **Excel**/JSON export.

SKILLS

Languages	Python, C, C#,C++, Java, LaTeX, Java Script, HTML, CSS, ESP32
Software	Linux, Tensorflow, Pytorch, Docker, OpenCV, Spring Boot, Git, PowerBI
Academic	Machine learning, Deep learning , Industry 4.0, Prompt Engineering, Lab Factory, Data science , Data Analytics, Lean Six Sigma, Agile Methodology.
Soft Skills	Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination, Teamwork, Adaptability.
Frameworks	RAG, ReadTheDocs, Documentation, Hugging Face, Langchain, Ollama.
Office software	Excel,Word,LaTeX,PPT

Languages

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