Yahya BELLMIR

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AI and Data Science Engineering student specializing in Machine Learning, NLP, and Computer Vision. I design data-driven solutions to tackle complex challenges and build high-performance, scalable applications.

EDUCATION

Ecole National des Arts et Metiers : — Sep 2024 - July 2026
Engineering degree : *"Industrial Engineering **Artificial Intelligence** and **Data Science**"* — Meknes, Morocco
Ecole National des Arts et Metiers : — Aug 2023
Integrated Preparatory Year — Meknes, Morocco

EXPERIENCE

Internship, RADEM Meknes *Web Development* | On-site (Meknes, Morocco) ⓞ ↗ — Aug 2024 - Sep 2024
- Engineered a full-stack solution with Spring Boot to centralize supervisor tracking and reporting.
- Secured the application with a multi-role authentication system using Spring Security and BCrypt.
- Created a responsive UI with Bootstrap and streamlined deployment by containerizing the app with Docker.

BCG Data Science Job Simulation (Forage) ⓞ ↗ — Feb 2025 - Mar 2025
- Executed an in-depth customer churn analysis utilizing Python for data manipulation and visualization.
- Engineered and optimized a Random Forest model, achieving an 85% prediction accuracy on customer churn.
- Authored and presented an executive summary with data-driven recommendations to inform strategic business decisions.

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

PROJECTS

Parking Space Recognition System | AI & Data Science ⓞ ↗ — Oct 2024 - Jan 2025
- Built a computer vision system to accurately classify and monitor parking space occupancy in real-time.
- Achieved 100% and 95% detection accuracy by implementing fine-tuned SVM and YOLOv8 models, respectively.
- Streamlined the ML pipeline through meticulous data preprocessing, model training, and performance tuning.

Multi-Agent System for Mapping and Surveillance | Robotics & AI ⓞ ↗ — Feb 2025 - June 2025
- Constructed a cooperative multi-agent system with e-Puck robots in Webots for autonomous exploration.
- Designed and implemented a robust framework for simultaneous real-time environmental mapping and surveillance.
- Integrated computer vision and reinforcement learning to enhance collaborative agent navigation and task efficiency.

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.

CV Ranking System | AI & NLP ⓞ ↗ — April 2025 - May 2025
- Developed an intelligent CV evaluation system leveraging multiple AI models (Gemini, GPT, Grok) for analysis.
- Engineered a section-wise scoring mechanism to provide targeted, constructive feedback on resumes.

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