

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

EXPERIENCE

Internship, RADEM Meknes Web Development On-site (Meknes, Morocco) o ↗	Aug 2024 - Sep 2024
<ul style="list-style-type: none">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) o ↗	Feb 2025 - Mar 2025
<ul style="list-style-type: none">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
DataCamp: Associate Data Scientist	2025
ExpertEase Education: Power BI Fundamentals A to Z	2025

PROJECTS

Parking Space Recognition System AI & Data Science o ↗	Oct 2024 - Jan 2025
<ul style="list-style-type: none">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.	
Video Game Sales Analysis Data Visualization & BI	March 2025 - May 2025
<ul style="list-style-type: none">Developed interactive Power BI dashboards to analyze and present global video game sales and critical review data.Extracted key insights into regional market performance (USA, Europe, Japan) and top-selling titles.	
Multi-Agent System for Mapping and Surveillance Robotics & AI o ↗	Feb 2025 - June 2025
<ul style="list-style-type: none">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 o ↗	April 2025 - June 2025
<ul style="list-style-type: none">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 o ↗	April 2025 - May 2025
<ul style="list-style-type: none">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