Abd Rahim Mojbani *Applied AI Student*

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🪪 PROFILE

Final-year Applied Artificial Intelligence student at Pristini School of AI, specializing in computer vision and deep learning. Eager to undertake my graduation project through the **Erasmus+ mobility program**, where I can apply my technical skills to real-world AI challenges and gain valuable **international internship experience**.

💼 PROFESSIONAL EXPERIENCE

07/2025 – 08/2025 Ksar Hellal, Monastir	**Data Science Intern - Deep Learning Pipeline for Trouser Keypoint Detection** *Sartex Group* ↗ • Engineered a data preprocessing pipeline for the **DeepFashion2 dataset**, cleaning annotations and normalizing **10,000+ trouser images** to enhance dataset quality and model readiness. • Fine-tuned a **Detectron2 Keypoint R-CNN** model using transfer learning, achieving a high-precision keypoint detection system for automated garment analysis. • Developed an intuitive **Tkinter-based GUI tool** to visualize model predictions and correct annotation inaccuracies, significantly streamlining the manual review process.
06/2024 – 07/2024 Ksar Hellal, Monastir	**IT Intern – Network & Systems Support** *Sartex Group* ↗ • Provided system and network support, resolving technical issues and ensuring smooth daily operations.

📁 PROJECTS

03/2025 – 05/2025	**Earthquake Magnitude Prediction Web Application** • Transformed raw **USGS data** via preprocessing and feature engineering, enabling the training of an accurate Random Forest prediction model. • Built a full-stack **web application** (HTML, CSS, JavaScript) with an **API backend** to serve model predictions and provide interactive data visualizations for end-users.
02/2025 – 04/2025	**Real-Time Facial Emotion Recognition System** • Trained and fine-tuned an **EfficientNetB0 CNN** using the **FER2013 dataset (35K+ images)** and self-collected samples, applying **data preprocessing and augmentation techniques** to classify five emotions. • Integrated the model and deployed a **real-time webcam application** using **OpenCV** and **MTCNN**, with a compact **TensorFlow Lite model** for live emotion detection.

🎓 EDUCATION

09/2023 – Present Sousse, Tunisia	**Bachelor's Degree in Software Engineering and Information Systems** *Pristini School of AI* • **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Computer Vision, Data Mining, Data Visualization.
2022 – 2023 Monestir, Tunisia	**Baccalaureate in Technical Sciences** *Sayada High School* Obtained with High Honors

🧠 SKILLS

AI & ML:
CNNs, RNNs, Random Forest, SVM, Transfer Learning

Programming & Web Development:
Python, Java, C, SQL, HTML, CSS, JavaScript

Libraries & Frameworks:
TensorFlow, PyTorch, OpenCV, Scikit-learn, Pandas, NumPy, Detectron2, Flask, FastAPI

Tools & Platforms:
Git, VS Code, Jupyter Notebook, Docker

📇 CERTIFICATES

Image Segmentation, Filtering, and Region Analysis
Coursera (MathWorks) | Completed: 2025

🌐 LANGUAGES

• Arabic (Native)   • English (Intermediate)   • French (Fluent)