Ayman Ismaili

Meknès, Morocco

ismailiayman1@gmail.com — +212 625-778326

linkedin.com/in/ayman-ismaili-ml — github.com/ISMAILI-AYMAN

Languages: Arabic (native), French (advanced), English (fluent)

PROFESSIONAL SUMMARY

Final-year engineering student at ENSAM-Meknès, specializing in AI and Data Science. Experienced in building ML pipelines, deploying models, and MLOps. Seeking a final-year internship (July–August 2025) in ML, MLOps, Data Engineering or Data Science. Open to remote/hybrid roles worldwide.

EDUCATION

ENSAM-Meknès, Morocco

Engineering Degree (in progress) – Industrial Engineering, AI and Data Science

September 2021 – Present

PROFESSIONAL EXPERIENCE

Engineering Intern (Observatory) – APTIV Morocco, Meknès　　　　　　　*July–August 2024*

- Observed and familiarized with Lean Six Sigma practices and manufacturing processes to understand operational efficiency.

Machine Learning Intern – Saiket System　　　　　　　*March–May 2024*

- Developed a customer churn prediction model achieving 70% precision and 80% recall using Scikit-learn.
- Built a robust ETL pipeline and implemented Docker-based deployment with CI/CD integration via GitHub Actions.
- Conducted comprehensive feature engineering and cross-validation to optimize model performance.
- Implemented MLflow for experiment tracking and model versioning.

TECHNICAL SKILLS

- **Languages:** Python, Java, C++
- **Libraries:** Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, Matplotlib
- **API & Frameworks:** FastAPI, Streamlit
- **Big Data:** PySpark, Spark MLlib
- **Deployment:** Docker, CI/CD (GitHub Actions), Streamlit Cloud
- **Databases:** SQL (MySQL)
- **MLOps:** MLflow, Model Evaluation metrics
- **Data Engineering:** ETL, Feature Engineering, Data Cleaning
- **NLP:** LangChain, Ollama
- **Tools:** Git, GitHub, Jupyter
- **Methodologies:** Lean Six Sigma
- **Soft Skills:** Teamwork, Communication, Problem-solving, Adaptability

TECHNICAL PROJECTS

CIFAR-10 Image Classifier Web Application　　　　　　　*PyTorch, Streamlit – 2025*

- Built and trained a convolutional neural network to classify CIFAR-10 images using PyTorch.
- Deployed the model as an interactive web app using Streamlit Cloud with real-time predictions.
- Integrated visualization: training loss curves, prediction samples, confusion matrix.
- Live app: `https://ejgtpj8eaiwnunyixmoja6.streamlit.app`

Large-Scale Customer Segmentation with PySpark　　　　　　　*PySpark, MLflow – 2025*

- Processed 100,000+ e-commerce transaction records with PySpark for distributed computing.
- Engineered features and applied clustering with Spark MLlib.
- Used MLflow for experiment tracking and model comparison.

Scholarship Assistant Chatbot　　　　　　　*LangChain, Streamlit – 2024*

- Developed an NLP-powered chatbot answering scholarship queries.
- Integrated LangChain with Streamlit UI for seamless interaction.
- Deployed online with responsive design and multilingual support.

Flower Species Recognition System　　　　　　　*Keras, TensorFlow – 2023*

- Built CNN-based classifier for flower species recognition.
- Added training visualization and model evaluation metrics.

CERTIFICATIONS

Python ML Course – Udemy	*April 2025*
Six Sigma Yellow Belt – ECLEE	*April 2025*
Python for Data Science – Udemy	*March 2025*