CHEGDATI CHOUAIB

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PROFESSIONAL SUMMARY

AI & Data Engineer (ENSAM Meknès, 5th year) specialized in computer vision, deep learning, machine learning, data science, and AI. Experience with object detection projects (YOLO, Grounding DINO), lightweight MLOps, recommendation systems, and predictive modeling (churn). Seeking a 4–6 month final-year internship (PFE) starting February/March 2025, mobile Morocco/Europe.

EXPERIENCE

Smart Automation Technologies   **July 2025-September 2025**

- End-to-end automation of an object detection pipeline with YOLO and Grounding DINO, local execution for privacy and reduced latency. Structuring of pre-processing, inference, post-processing and logs;
- improving multi-scene robustness and maintainability.

SaiKetSystems   **April 2025-May 2025**

- Churn prediction model with logistic regression and Random Forest; feature pipeline, selection and comparative evaluation.
- Restitution of business insights and recommendations based on EDA.

INTELLCAP SARL   **July 2025-September 2025**

- Creation and deployment of three microservices dedicated to processing text into video, images and audio, integrating advanced multimedia conversion and generation functionalities.

XAI-TECH   **August 2025-October 2025**

- Development of translation models and chatbots in Darija, with data collection and processing dedicated to optimize performance.

PROJECTS

ParkingVision: Space detection + reservation

- YOLOv8 + SVM for occupancy status; Streamlit UI; documentation on GitHub/Read the Docs; real-time orientation.

Object localization (TensorFlow/Keras)

- Dual-output CNN for emoji classification and localization: architecture, training, and metrics.

Recommendation by PSO (MovieLens 100k)

- Personalized web service based on preferences; particle swarm optimization; offline evaluations.

EDUCATION

National School of Arts and Crafts-Meknes

- Integrated preparatory classes

National School of Arts and Crafts-Meknes — Engineering Cycle

- Industrial Engineering, AI & Data Science

Othman Ibn Affan High School

- Baccalaureate in Mathematics and Science A

SKILLS

- AI/ML: Machine Learning, Deep Learning, Computer Vision, NLP, LLMs, Generative AI Tools /
- Libraries: PyTorch, TensorFlow, Keras, scikit-learn, OpenCV, Streamlit, n8n, API, Postman Data &
- MLOps: EDA, feature engineering, evaluation, lightweight deployment, Git / GitHub
- Quality: Lean Six Sigma (Yellow Belt)
- Languages: Arabic, French, English

CERTIFICATES

- SupervisedML: Regression & Classification (Python, NumPy, scikit-learn)
- Unsupervised, Recommenders, Reinforcement Learning (k-means, dimensional reduction, anomalies, reco systems,
- DRL) Generative AI for Data Scientists (IBM): fundamentals, prompt engineering, practical cases IBM Generative AI:
- Prompt Engineering Basics Data Science Job Simulation: business understanding, EDA, features, insights, reco
- Lean Six Sigma Yellow Belt — ECLEE

CENTERS OF INTEREST

- Automation, AI and applied data, computer vision, open-source projects, football, video games, travel, cultural discovery.