

Chaimaâ OURGANI
Data Scientist

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Born on December 7, 2001 Casablanca, Maroc



PROFESSIONAL EXPERIENCE









Sept 2024 Present	<div><div>Data Scientist, ATTIJARIWafa Bank, Casablanca</div><div><div>> Designed solutions based on LLM fine-tuning for text classification (user experience, complaints) and speech transcription (Speech-to-Text), enabling automatic extraction of relevant insights from client conversations using LoRA, Hugging Face, PyTorch, Librosa, Scipy, SpaCy, Scikit-learn.</div><div>> Automated recurring internal processes and improved operational efficiency by developing solutions based on generative AI and RAG architecture (chatbots, smart APIs), leveraging LangChain, FAISS, Ollama, OpenAI, Hugging Face, Boto3, FastAPI.</div><div>> Designed and implemented an OCR-based automated extraction system, reducing financial data entry time by 10 to 15%, and deployed using LangChain and FastAPI for optimal integration.</div><div>> Designed and developed a data stream reconciliation workflow for enriching and qualifying client information, based on fuzzy matching and text vectorization techniques, using PySpark, Scikit-learn, and Scipy.</div><div>> Developed and optimized large-scale data ingestion and processing pipelines and workflows with PySpark, Scala, Hive, and Oozie, achieving 70% reduction in execution time.</div></div><div><div>LangChainHugging FaceBoto3FAISSScikit-learnFastAPIPyTorchTensorFlowSeabornPlotlyScipy</div><div>SpacyPythonScala</div></div></div>
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- **DevOps & Cloud** : Scalable deployment with containerization, orchestration, CI/CD, and log/metrics monitoring.
- Technologies** : Docker, GitLab CI/CD, Jenkins, Keycloak, Dynatrace, OpenTelemetry, Kubernetes, OpenShift.


EDUCATION


- 09/2021-07/2024 **State Engineer Degree in Data Science and IoT – National School of Computer Science and Systems Analysis (ENSIAS), Rabat, Morocco**
- **Main Courses** : Machine Learning, Deep Learning, Big Data, NLP, Computer Vision, Web Mining, Data Mining, IoT, DevOps & Cloud, Advanced Statistics, Data Structures, Software Project Management.
- 09/2019-07/2021 **Preparatory Classes for Engineering Schools (CPGE) – Lycée d'Excellence, Ben Guerir, Morocco**
- **Main Courses** : Advanced Mathematics, Algorithms, Programming (Python, SQL), Probability and Statistics.
- 09/2018-07/2019 **International Scientific Baccalaureate – Mathematical Sciences A, French Option – Lycée El Baroudi, Casablanca, Morocco.**


PROJECTS

- DERMAID : AI COPILOT FOR SKIN CANCER DETECTION** 10/2023 - 01/2024
-  github.com/Chaimaaorg/DermAid—AI-Copilot-for-Skin-Cancer-Detection  [Notebook](#)
- AI assistant for early diagnosis of skin cancer, combining deep learning for medical image analysis and NLP for user interaction.
- [PyTorch](#) [ResNeXt50](#) [OpenCV](#) [Dialogflow](#) [Python](#)
- ATTENDAI : FACIAL RECOGNITION ATTENDANCE SYSTEM** 03/2025
-  github.com/Chaimaaorg/AttendAI
- Real-time facial recognition system for automated attendance management with accurate face detection.
- [Python](#) [OpenCV](#) [KNN](#)
- SUMMARIZEBOT : AUTOMATIC SUMMARIZATION AI AGENT** 03/2025
-  github.com/Chaimaaorg/SummarizeBot
- Conversational agent generating dynamic summaries using LLM models and a FastAPI interface.
- [FastAPI](#) [Langchain](#) [Hugging Face](#) [Ollama](#)
- PLANTSCAN : PLANT DISEASE DETECTION VIA VISION** 10/2023
-  github.com/Chaimaaorg/PlantScan  [Notebook](#)
- Plant disease classification through fine-tuned MobileNet, integrated into an interactive web application.
- [TensorFlow](#) [MobileNet](#) [FastAPI](#) [React.js](#) [Python](#)
- REAL ESTATE PRICE PREDICTION PLATFORM** 07/2023
-  github.com/Chaimaaorg/Platform-for-Real-Estate-Price-Forecasting  [Notebook](#)
- Predictive modeling of real estate prices with over 90% accuracy using an optimized preprocessing and modeling pipeline.
- [Scikit-learn](#) [Flask](#) [Pandas](#) [Python](#)





LANGUAGES

Arabic 

French 

English 

CERTIFICATIONS

- > **Python for Data Science and Machine Learning Bootcamp** — Udemy  [View Certificate](#)
- > **Complete Tensorflow 2 and Keras Deep Learning Bootcamp** — Udemy  [View Certificate](#)
- > **LLM Fine-Tuning Fundamentals & GPT Model Fine-Tuning** — Udemy  [View Certificate](#)
- > **Vector Databases Fundamentals (FAISS, Pinecone, Chroma)** — Udemy  [View Certificate](#)