NOUHAYLA MOUAKKAL

Big Data and Cloud Computing Engineering Student – AI Consultant Intern

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EDUCATION

Engineer's Degree in Computer Engineering: Big Data and Cloud Computing　　**2022-2025**
National Higher School of Technical Education (ENSET)　　Mohammedia
DGUS in Mathematics and Computer Science　　**2020-2022**
Polydisciplinary Faculty　　Larache
Baccalaureate in Mathematical Sciences A　　**2019-2020**
Abdelali Benchakroune High School　　Larache

PROFESSIONAL EXPERIENCE

AI Consultant Intern *"ITSS"*

LearNia: Next-Generation AI-Powered Learning Management System Through IntelligentAutomation　　**04/02/2025 – Present**
Casablanca

- Developed LearNia, an AI-powered SaaS LMS featuring multimodal content generation, personalized AI tutoring, VR classrooms, and student analytics to enhance education and streamline administration.

AI & Data Analyst Intern *"Oklever"*

Strategic Insight Pro – AI-Powered Decision-Making for CEOs　　**10/06/2024 – 10/08/2024**
Casablanca

- Built Strategic Insight Pro, an AI platform delivering real-time analytics, AI-driven scenario planning, and a strategic chatbot with NLP and Retrieval-Augmented Generation for enhanced CEO decision-making.

Data Scientist Intern *"AL Barid Bank"*

Data Analysis of Banking Data:　　**03/07/2023 – 31/07/2023**
Rabat

- Conducted **banking data analysis** using Python and machine learning (PCA, SVM, KNN), developed **customer segmentation models**, built **Power BI dashboards**, and optimized model performance for actionable insights.

TECHNICAL SKILLS

- **Machine Learning / Deep Learning / NLP:** Scikit-learn, TensorFlow, Keras, PyTorch, NLTK, Voice Cloning
- **Computer Vision / Image Processing:** OpenCV, MediaPipe, TesseractOCR, PIL, YOLO
- **Generative AI:** Retrieval-Augmented Generation (RAG), Fine-Tuning, Prompt Engineering, LLMs (Large Language Models), FAISS, Qdrant , ChromaDB , Langchain, Agentic AI , Deep Search
- **Data Analytics / Big Data:** NumPy, Pandas, Matplotlib, Seaborn, PySpark, Hadoop, Kafka, DAX, Excel, ETL Processes
- **Data Visualization:** Power BI, Tableau, Prometheus, Grafana
- **Databases:** MySQL, Postgresql, MongoDB, Firebase, Cassandra, Redis, HBase, Supabase.
- **Cloud Computing & MLOps:** Azure, Google Cloud (GCP), Oracle Cloud Infrastructure (OCI), Groq Cloud, Docker, Kubernetes , ZenML
- **Software Engineering:** Python, C/C++, R, SQL, Flask, FastAPI, Spring, Express, Angular, Next.js, Tailwind CSS, Prisma ORM, Bash

SOFT SKILLS

Analytical thinking and problem-solving	Agility and Adaptability
Teamwork and collaboration	Effective communication
Time Management	Stress Management

CERTIFICATIONS

OCI Generative AI Professional: Oracle	**Oracle Cloud Infrastructure Foundations I:** Oracle
Fundamentals AI Concepts: Microsoft	**Deep Learning with TensorFlow:** Cognitive Class
Python for Data Science: Cognitive Class	**Get Started with Data Analytics:** Microsoft

INTERESTS

Mentor: DigiGirlz Moroc　　**Evaluator:** LDX ENSET　　**Team Leader of Social Media Managers:** N7 Geeks
2nd Place in N7-Challenge National Hackathon　　**3rd Place in Orange Digital Center Champions**

LANGUAGES

Arabic: **Native**	English: **Professional**	French: **Professional**