

Anas Ben Amor

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EXPERIENCE

• Data Consultant - Talan Tunisia Consulting

• Mission - GRDF - Paris, France

Tunis, Tunisia

Aout 2025 - Present

- Developed an agentic AI Solution to automate migration from Informatica PowerCenter to dbt, applying best practices and integrating expert-in-the-loop validation.
- Managed production anomalies for Informatica PowerCenter, improving reliability and incident response.
- Designed a Data Vault architecture from raw data and implemented Informatica Cloud mappings to populate Snowflake data marts, enhancing data quality and delivery efficiency.

• Data & GenAI Intern - Talan Tunisia Consulting

• Automation of the Migration to the Cloud of a Decision Support Data System

Tunis, Tunisia

February 2025 - Juin 2025

- Developed AI agents to automate conversion of relational systems to decision-support platforms using ReAct approach, enabling near-human reasoning models.
- Implemented smart agents for automatic schema migration to Snowflake with PySpark job generation, reducing migration time from days to minutes.
- Created a ReAct-based natural language query agent translating questions into SQL, paired with interactive visualization tools for dynamic data analysis.

• Data Science Intern - Sagemcom Tunisia

• Data augmentation Strategy To Enhance Load Disaggregation Models

Tunis, Tunisia

October 2024 - January 2025

- Designed and implemented a data augmentation pipeline using Deep Learning and GANs, improving the robustness of load disaggregation models.
- Optimized device-level energy consumption detection using synthetic data generation, enhancing model accuracy and energy management efficiency.

• Data & GenAI Intern - Orthlane

• Design and Development of a Custom Chatbot based on the RAG Method

Paris, France

Juillet 2024 - Aout 2024

- Built a RAG chatbot with Azure OpenAI and LangChain to provide fast, personalized patient support and ensure seamless and instantaneous interaction with clients.
- Managed data flows using Apache NiFi to enhance data integration and flow efficiency.
- Improved PDF parsing quality and speed, and enhanced storage quality by optimizing parsing according to PDF formats.

EDUCATION

• Higher School of Communication of Tunis - SUP'COM

• Master of Engineering Diploma - Telecommunication

Ariana, Tunisia

September 2022 - Juin 2025

Relevant Coursework: Big Data, Cloud computing, DevOps, Computer Vision, Data Engineering, MLOps and Networking

• Preparatory Institute for Engineering Studies of Monastir - IPIEM

• Pre-Engineering Studies - Technology and Physics;

Monastir, Tunisia

September 2020 - June 2022

Courses: Linear Algebra, Advanced Calculus, Physics, Chemistry and Python

SKILLS SUMMARY

- **Libraries and Tools:** Pyspark, Apache Kafka, Apache Nifi, Flink, Dbt, Airflow, Informatica Power Center, Informatica Cloud, Langchain, Langgraph, GIT, Github Action, Gitlab CI, Jenkins, Docker, AWS Service, ELK Stack, SonarQube
- **Databases & Data Warehouse:** PostgreSQL, Oracle (SQL); MongoDB (NoSQL); Pinecone, ChromaDB (Vector DB); Snowflake (Data Warehouse)
- **Languages:** English: B2-Level (TOEIC 795/990), French: B2-Level, Arabic: Native, Spanish: A2-Level

VOLUNTEER EXPERIENCE & ORGANISATIONS

Logistic Manager, IndabaX Tunisia

January 2023 - May 2023

HR Manager, IEEE WIE SUP'COM Affinity Group

May 2023 - June 2024, Tunisia