

Anas Ben Amor

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EXPERIENCE

- Data Consultant - Talan Tunisia Consulting** Tunis, Tunisia
Mission - GRDF - Paris, France 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** Tunis, Tunisia
Automation of the Migration to the Cloud of a Decision Support Data System 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** Tunis, Tunisia
Data augmentation Strategy To Enhance Load Disaggregation Models 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** Paris, France
Design and Development of a Custom Chatbot based on the RAG Method 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** Ariana, Tunisia
Master of Engineering Diploma - Telecommunication 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** Monastir, Tunisia
Pre-Engineering Studies - Technology and Physics; 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