YOSRA KAROUI

Data Engineer & Analyst

📞 (+216) 92 536 640   ✉ yosra.karoui1@outlook.com   📍 Tunis, Tunisia
🌐 yosrak5.github.io/Portfolio/   in /yosra-k-948594234/

EXPERIENCE

Data Analyst
Supervizor (Fintech)

📅 02/12/2025 – Present   📍 Hybrid

Led the integration of **client financial data** via **smart connectors**, directly linked with **ERP systems** for **automated accounting control** and **error/fraud prevention**.

Tools & Tech Stack: ETL (SnapLogic), Python, APIs, MS SQL Server, Azure, ERP (SAP, Oracle, NetSuite, Microsoft Dynamics, Sage), Data Lake, Agile

Data Scientist Intern
Dassault Systèmes

📅 02/2024 – 08/2024   📍 Paris, France

- Developed an **iPaaS integration solution** to extract data from a client database hosted on a **cloud virtual machine**, transform it according to the target model, and load it into **buckets** using **Data Factory Studio** in the **3DEXPERIENCE** platform.
- Designed a **dynamic dashboard** in **Data Perspective Studio** for monitoring and analyzing the data.

Tools & Tech Stack: iPaaS, NodeJS, ETL, SQL Server, Data Factory, Data Perspective

Data Scientist Intern
ESPRIT-Tech

📅 06/2023 – 09/2023   📍 Tunis, Tunisia

- Normalized and applied noise augmentation to 60,000 images from the Fashion MNIST dataset to simulate realistic denoising conditions.
- Designed and trained a deep learning encoder-decoder model, achieving 93% denoising accuracy on test images.

KEY PROJECTS

ETL Pipeline for Twitter Data Extraction | Link

- Automated an **ETL pipeline** using **Python** and **Airflow** to extract and preprocess data from the Twitter API.
- Stored processed data in **AWS S3 buckets**, ensuring efficiency and scalability.

DevOps Project | Link

- Automated a **CI/CD pipeline** for a Spring Boot backend, integrating **SonarQube** for code quality and **Docker** for deployment.
- Configured real-time monitoring with **Prometheus** and **Grafana**, including email alerts for build and deployment tracking.

EDUCATION

National Engineering Diploma in Computer Science
ESPRIT (Member of CGE)

📅 09/09/2019 - 02/10/2024

- Mathematics & Statistics
- Programming & Algorithms
- Analytical Skills

SKILLS

- **Programming & Scripting:** Python (Advanced), SQL (Advanced), Bash (Basic)
- **Data Manipulation:** Spark, Hadoop, Kafka, Pandas
- **Databases:** PostgreSQL, MS SQL Server, Oracle
- **ETL & Integration:** SnapLogic (Advanced), Airflow (Advanced), dbt (Basic)
- **Cloud:** Azure (Advanced), GCP, AWS
- **Tools:** Power BI (Advanced), BI Publisher, SAP, Git, Jira, Docker, CI/CD (Jenkins)

LANGUAGES

French (Fluent), **English** (Fluent), **Spanish** (Basic)

CERTIFICATIONS

- **AWS Cloud Practitioner** — AWS, 2024
- **Power BI Job Simulation** — PwC, 2023
- **Data Analytics and Visualization** — Accenture North America, 2023
- **Data Analytics Job Simulation** — KPMG, 2023
- **Python For Data Science** — IBM (Coursera), 2023
- **AI for Anomaly Detection** — NVIDIA, 2023
- **NLP Specialization** — Coursera, 2023
- **INDABAX Deep Learning Hackathon** — Zindi, 2023

VOLUNTEERING

Vice President of Marketing Department
AIESEC Tunisia

📅 2021   📍 Bizerte