NOUREDDINE YACHOU

Data Analyst | Data Engineer | Business Intelligence Developer

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PROFESSIONAL SUMMARY

Data Analyst / Data Engineer with an Engineering Degree in Data Engineering. Specialized in advanced data analysis, process automation, and business intelligence dashboard development. Experienced in leveraging ERP data (Sage X3), SQL analytics, Power BI data visualization, and automating data workflows to improve decision-making and operational performance.

PROFESSIONAL EXPERIENCE

Data Analyst / Data Engineer – ALKENZ ELGHALI(Subsidiary of Briqueterie JBEL-ANNOUR) | Mohammedia

September 2024 – Present

- Implemented an automated analytical auditing system based on data analysis, replacing traditional auditing methods.
- Prepared, transformed, and analyzed data using Python (Pandas, NumPy).
- Detected anomalies and performed critical variance analysis on operational data.
- Designed and developed interactive Power BI dashboards to monitor KPIs across Sales, Purchasing, Finance, and Human Resources.
- Conducted HR data analysis, including attendance tracking, leave management, salary structure analysis, and identification of inconsistencies.
- Extracted, cleaned, and optimized data from SQL Server databases connected to the Sage X3 ERP system.
- Analyzed ERP data inconsistencies and provided recommendations for Sage X3 process and data quality improvements.
- Prepared analytical reports and presented findings to business stakeholders.
- Collaborated with Finance, HR, Purchasing, and IT departments to conduct in-depth business analyses.
- Contributed to the development of a digital procurement portal and workflow automation using n8n.

- Developed SQL queries and automated data pipelines to enhance procurement processes.

Data Scientist(intern)– Agence Marocaine Multiservices | Mohammedia

February 2024 – June 2024

- Designed and developed a machine learning model for energy consumption forecasting.
- Collected, cleaned, and prepared operational data for analysis.
- Performed feature engineering to improve predictive model performance.
- Evaluated and compared multiple machine learning algorithms, including Linear Regression and Random Forest.
- Deployed the model and automated prediction processes.

EDUCATION

State Engineering Degree in Data Engineering

National School of Applied Sciences of Al Hoceima
2019 – 2024

Baccalaureate in Mathematical Sciences (B)

Othman Ibn Affane High School
2016 – 2019

TECHNICAL SKILLS

Programming & Data

- Python (Pandas, NumPy)
- SQL

Data Visualization

- Power BI
- Tableau
- Qlik

ETL & Data Integration

- Talend
- SSIS

- Informatica

Databases

- SQL Server
- MySQL
- PostgreSQL

Automation

- n8n

Machine Learning

- Linear Regression
- Random Forest

ERP & Data Sources

- Sage X3

Data Management

- Data Cleaning
- Data Quality Management
- Data Analysis
- Reporting & Business Intelligence

LANGUAGES

- Arabic: Native / Fluent
- French: Professional Working Proficiency
- English: Professional Working Proficiency