Nadhir BEN OTHMEN

INGÉNIEUR BUSINESS INTELLIGENCE — DATA ANALYST

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PROFILE

Business Intelligence engineer specializing in data analysis, ETL pipeline design and development of Power BI dashboards to support decision-making.

PROFESSIONAL EXPERIENCES

Final internship   Feb 2025 – Oct 2025

ONRTECH | *Python, Web Scraping, ETL, LLM, MongoDB ,Power BI, Angular, Spring Boot*
- Development of a decision-making platform to analyze the Spanish food market.
- Implementation of a complete ETL process to extract, clean, transform and enrich data from multiple e-commerce sites.
- Integration of an AI module (LLM) for the automatic enrichment of product information.
- Design of interactive dashboards to visualize key indicators..
- Develop and integrate a secure web interface for viewing dashboards.

Engineering Internship   Jun 2024 – Aug 2024

BID Consulting Tunisia | *SSIS, SSMS, Microsoft Visual Studio, Python, Power BI*
- Data Warehouse design and data integration using SQL Server Integration Services (SSIS) and SQL Server Management Studio (SSMS).
- Data cleaning, transformation and preparation in Python.
- Creation of KPIs and interactive dashboards in Power BI for monitoring advertising performance.

Summer internship   Jun 2023 – Jul 2023

Smart For Green | *Docker, MaarchCourrier, MaarchParrapheur, MaarchRM, Unix*
- Development of a web interface for the electronic management of mail and documents for Tunisian municipalities.
- Improved tracking and traceability of incoming and outgoing mail.
- Implementation of an electronic signature system allowing the mayor to validate correspondence securely.

ACADEMIC PROJECTS

Footifiz | *Power BI, Talend, Python, Angular, PostgreSQL, Web Scraping, YOLOV8, NodeJS*   jan 2024 – May 2024
- Development of a decision-making solution for the management of sports staff.
- Analysis of player performance data to identify strengths and areas for improvement.
- Development of predictive algorithms to anticipate the value and evolution of players.
- Implementation of a real-time video monitoring system for match statistics to adjust strategies.
- Design of interactive dashboards for a sports team to optimize its performance.

FoyerManagement | *Intellij, MySQL, Swagger, Spring Boot, Jenkins, SonarQube, Git, Docker* Sep 2023 – Jan 2024
- Development of an application for the management of residents.
- CRUD implementation for homes and residents.
- Performing unit and integration tests with JUnit.
- Artifact management, quality monitoring and containerized deployment.

EDUCATION

National Engineering Degree in Computer Science — ESPRIT University   Sep 2022 – Nov 2025
Bachelor's Degree in Mechanical Engineering — ISET Bizerte   Sep 2018 – Jun 2021

SKILLS

Databases : SQL (MySQL, SQL Server, PostgreSQL, Oracle), NoSQL (MongoDB)
Business Intelligence : Power BI, Talend, SSIS, ETL/ELT, Data Warehouse, KPIs, Reporting, Web Sraping
Data Science & IA : Data Mining, Machine Learning, Deep Learning, NLP, LLMs, Séries temporelles
Languages & Frameworks : Python, Java, R, C#, Spring Boot, Angular, ASP.NET Core
Tools & DevOps : GitHub, Docker, Jenkins, SonarQube, Postman, VS Code, Jupyter Notebook, RStudio, StarUML