

MESSAOUDI HASSEN

Skills

Hard

- SQL (SQL Server)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Microsoft Power BI
- Talend/SSIS
- Microsoft Excel
- Microsoft Azure (Databricks, Data Lake, Synapse Analytics)
- GitHub

Soft

- Data Storytelling
- Communication
- Teamwork

Professional Experience

Business Intelligence Intern – Final Year Project

Feb 2025 – Sep 2025

Discovery Intech, Ariana, TunisiaProject: Implementation of an HR Decision Support System connected to *Business Central*

- Conducted in-depth analysis of various HR modules (payroll, absences, recruitment, etc.).
- Designed and modeled a data warehouse to centralize and ensure the reliability of HR data.
- Evaluated and simulated payroll costs through dynamic and automated indicators.
- Implemented and published BI reports for shared and secure access.
- Developed predictive models for employee turnover and CV–job matching.
- Deployed predictive models and integrated dashboards into a web application.

Web Developer Intern

July 2024 – Sep 2024

TunUp, Les Berges du Lac 3, Tunis

Project: Development of an HRIS web application for payroll and employee managements

- Automated payroll calculation, work shifts, and overtime management.
- Centralized and synchronized HR data from BambooHR.
- Developed an interactive calendar to track employee absences and attendance.
- Implemented features in a user-friendly and responsive web application.

Web Developer Intern – Final Year Project

Feb 2022 – May 2022

Deepee, Centre Urbain Nord, Ariana

Project: Visual management platform and workflow optimization.

- Centralized all visual assets in a single system to improve management and traceability.
- Automated visual assignments to designers and real-time task tracking.
- Established a validation workflow between designers and the art director to streamline quality control.
- Enhanced collaboration and productivity through an optimized workflow platform connecting the team and management.

Academic Project

Integration and Development Project (PIDEV) – Esprit

Feb 2024 – May 2024

Project: *Design and deployment of a BI solution for managing a leisure park's operations.*

- Analyzed business requirements and defined key performance indicators (KPIs).
- Integrated and validated data from multiple sources.
- Designed a decision-making model and automated ETL workflows for optimized data processing.
- Developed predictive analysis to forecast waiting times and measure customer satisfaction.
- Deployed an interactive analytical solution to support strategic decision-making.

Education

Engineering Degree in Business Intelligence and Data Analytics

2022-2025

Private Higher School of Engineering and Technology (ESPRIT), Ariana, Tunisia

Bachelor's degree in computer science

2019-2022

Higher Institute of Computer Science of Kef, Tunisia

Languages

French: C1

English: B2