

Mariam Zaoui

Junior Data Analyst

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PROFILE

Junior Data Analyst passionate about transforming data into actionable insights. Graduated in Information Systems and Digital Transformation, with strong skills in SQL, MySQL, and Power BI, as well as data preparation, cleaning, and analysis. I also have foundational knowledge of Python for data manipulation. Through experiences in data scraping, market analysis, and data structuring (JSON), I can produce clear, decision-support reports. Detail-oriented, analytical, and results-driven, I am eager to contribute to data analysis, reporting, and visualization projects.

EDUCATION

Faculty of Sciences and Technology – Settat

- Bachelor's Degree in Science and Technology – Information Systems and Digital Transformation
- University Diploma in Mathematics, Computer Science, and Physics

EXPERIENCE

Business Data Analyst Intern

October 2025 – November 2025

AGH Data Agency Holding SA – Remote

- Performed data scraping operations to collect and centralize market data
- Cleaned, prepared, and structured data into JSON files for two new applications
- Conducted market analysis and extracted key insights to support product decisions
- Produced analytical reports with actionable recommendations for the design team

Web Developer Intern

April 2024 – June 2024

Foundation for Research, Development and Innovation in Science and Engineering – Mohammedia

- Redesigned the *Suptech Environnement* website (Front-end: HTML, CSS, Bootstrap, JavaScript | Back-end: Laravel)
- Optimized website performance and improved user experience
- Participated in the final deployment of the website

TECHNICAL SKILLS

Data Analytics

- Data cleaning, preparation, and transformation
- Data visualization, reporting, KPI monitoring
- Market and business analysis
- Web scraping
- JSON data structuring
- Basic understanding of ETL concepts

Tools & Technologies

- SQL, MySQL, PostgreSQL
- Power BI, Advanced Excel
- Python (basics: pandas, basic data manipulation)
- HTML, CSS, JavaScript, Bootstrap, Laravel (supporting knowledge)

Other

- Git, GitHub
- Functional analysis and business requirements understanding

ACADEMIC PROJECTS

Maji Ndogo Project – Data Management & Reporting

- Designed and managed a database for a water consumption monitoring project
- Modeled data and optimized SQL queries to improve performance
- Extracted and analyzed data to deliver relevant insights using Power BI

Heart Monitor – Real-Time Data Visualization

- Developed a real-time heart rate monitoring system
- Collected data using an XD-58C heart rate sensor connected to a NodeMCU ESP8266
- Built a web interface using HTML, CSS, and JavaScript to visualize and analyze heart rate data in real time

School Management System

- Developed a school management system for student, teacher, and course administration
- Used SQL and phpMyAdmin for database management and data processing

E-Commerce Website with Odoo

- Developed a functional online store using Odoo, including product pages and a smooth checkout process
- Integrated an email-based order management system for automatic confirmations
- Customized design and product display to align with brand identity

CERTIFICATIONS

Elements of AI for Business – MinnaLearn (2025)

Skills acquired: AI fundamentals, autonomy and adaptability, supervised and unsupervised learning, linear and logistic regression, k-nearest neighbors, neural networks, societal impacts of AI, algorithmic bias, AI-generated content, privacy, and work implications.

Data Analytics Certificate – ALX (2025)

Skills acquired: data cleaning and preparation, exploratory analysis, Power BI and Excel dashboards, KPI understanding, SQL fundamentals.

Professional Foundations Certificate – ALX (2024)

Skills acquired: communication, teamwork, time management, problem-solving, adaptability, professional writing, critical thinking.

Introduction to Python – DataCamp (2024)

Skills acquired: Python basics, variables, data types, lists, functions, basic data manipulation.

LANGUAGES

Arabic - Native

English - Advanced

French - Advanced