

MARIEM ZARROUKI

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OBJECTIVE

Motivated second-year Data Science student seeking an internship to apply and deepen my knowledge in machine learning, data analysis, and data engineering. Eager to contribute to real-world projects, enhance technical skills, and gain industry experience in a dynamic and data-driven environment.

EDUCATION

Engineering in Data Science, Faculty of Science of Tunis - FST Expected 2026

Relevant Coursework: Machine Learning, Data engineering, Data analysis, Supervised/ Unsupervised Learning, Data Mining, Big Data, Cyber security

Bachelor of Computer Science, Higher institute of Computer Science - ISI 2020 - 2023 Relevant Coursework:

Java, Computer Vision, Cloud Computing

SKILLS

Technical Skills Python, R, SQL, php, Symfony, Java, Hadoop, Apache Spark, MongoDB, Oracle

Soft Skills Highly motivated and goal-oriented, Fast learner, Curious and eager to explore new technologies

EXPERIENCE

Data Science Intern July 2024 - August 2024

Centre National de l'Informatique (CNI)

- Conducted in-depth analysis of employee and payment-related data using Oracle SQL Developer and Python to support decision-making.
- Cleaned and preprocessed raw datasets with Python (Pandas, NumPy) to prepare them for descriptive and predictive analytics.
- Performed exploratory data analysis and visualization using SQL and Chart.js to identify trends and patterns in employee-related variables.
- Built an interactive web-based dashboard using CodeIgniter, Bootstrap, JavaScript, and Chart.js to present and interpret key metrics and analysis results.

End of Studies Project intern Jan 2023 - May 2023

Centre National de l'Informatique (CNI)

- Designed and developed a web application for project evaluation based on the Logical Framework Approach.
- Built features to manage projects, assignments, objectives, and indicators, including creation, planning, and progress tracking.
- Implemented a dynamic dashboard to visualize indicator progression and project status.
- Used Angular 15 (frontend) and Spring Boot (backend) with Spring Security for authentication and Spring Data for database interaction.
- Integrated MySQL for data storage and PrimeNG for rich UI components.

Summer Intern – ERP Developer July 2022 - August 2022

DidaMind

- Contributed to the enhancement of an ERP system for educational institution management.
- Implemented improvements to the Teacher Management module using jQuery, JSON, and AJAX for dynamic front-end interactions.