Jihane RACHED

Third year Engineering Student at ENSIAS

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Interested in data and software engineering, I am looking for an end-of-studies internship (PFE) to apply my technical skills and contribute to innovative projects. Motivated by new challenges, I aim to deepen my expertise.

🎓 ACADEMIC BACKGROUND

2022-2025	**Software Engineering**, High National School for Computer Science and Systems Analysis (ENSIAS), Rabat, Morocco.
2020-2022	**Preparatory Classes in Mathematics-Physics (MP)**, Errazi Technical High School, El Jadida, Morocco.
2019-2020	**Baccalaureate in Mathematics A (SMA)**, with highest honor.

💼 PROFESSIONAL EXPERIENCES

July-August 2024 — Internship, BANK OF AFRICA - BOA SERVICES INTERNATIONAL, Analysis and optimization of data flows for credit management

> Analyze client needs to understand the key performance indicators (KPIs) used in the debt collection process and the various associated calculation cases.
> Prepare data and automate KPI calculations using Python.
> Design dashboards in Power BI for presenting and analyzing results.

`Python` `Power BI` `Client Interaction` `Data Analysis` `Data Visualization`

July 2023 — Internship, AKWA GROUP - Maghreb Oxygène, Development of a stock optimization application

> Manage the oxygen bottle stocks for the production department to improve operational flows.
> Analyze business needs to define application functionalities and optimize its use.

`Spring Boot` `JAVA` `HTML` `CSS` `MySQL`

💼 ACADEMIC PROJECTS

PainCare, Design and development of an application for endometriosis patients,

> Analyze needs and use UML to define the application's functionalities.
> Implement graphs to track factors influencing pain progression.
> Set up CI/CD pipelines with Jenkins and Docker to automate testing and deployment.

`Spring Boot` `JAVA` `UML` `Jenkins` `Docker` `Bootstrap` `Chart.js`

Monitoring operational performance of a supply chain using Power BI, ,

> Clean and process data using Python.
> Create visualizations with Power BI for KPI monitoring.
> Integrate Power BI reports into a Spring Boot web application via REST API.

`Power BI` `Python` `Spring Boot` `REST API`

Smart Fridge, IoT and mobile project,

> Remotely control the smart fridge via a dedicated mobile application.
> Use Firebase to capture real-time data from integrated IoT sensors.
> Predict food freshness using the Random Forest machine learning model.
> Present real-time stock visualizations with the MPAndroidChart library.

`Android Studio` `Java` `Python` `Firebase` `C/C++` `Data Visualization`

≣ SKILLS

Languages and Frameworks	Spring Boot, Python, Java, HTML, CSS, JavaScript, C
Development Tools	Android Studio, Power BI, Excel, IntelliJ, VS Code, Git, Docker, Jenkins
Databases	MySQL, Firebase, PostgreSQL

</> LANGUAGES

Arabic	Native language
French	Fluent
English	Advanced level