

Jihane RACHED

Third year Engineering Student at ENSIAS

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Casablanca

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

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| 2022-2025 | Data and 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) , Honors : Very Good. |

PROFESSIONAL EXPERIENCES

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| July-August 2024 | Internship, BANK OF AFRICA - BOA SERVICES INTERNATIONAL, Analysis and optimization of data flows for credit management <ul style="list-style-type: none">> 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. <div>Python Power BI Client Interaction Data Analysis Data Visualization</div> |
| July 2023 | Internship, AKWA GROUP - Maghreb Oxygène, Development of a stock optimization application <ul style="list-style-type: none">> Digitize the management of oxygen bottle stocks for the production department to improve operational flows.> Analyze business needs to define application functionalities and optimize its use. <div>Spring Boot JAVA HTML CSS MySQL</div> |

ACADEMIC PROJECTS

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| PainCare, Design and development of an application for endometriosis patients, <ul style="list-style-type: none">> 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. <div>Spring Boot JAVA UML Jenkins Docker Bootstrap Chart.js</div> |
| Monitoring operational performance of a supply chain using Power BI, , <ul style="list-style-type: none">> 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. <div>Power BI Python Spring Boot REST API</div> |
| Smart Fridge, IoT and mobile project, <ul style="list-style-type: none">> 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. <div>Android Studio Java Python Firebase C/C++ Data Visualization</div> |

SKILLS

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| 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

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| Arabic | Native language |
| French | Fluent |
| English | Advanced level |