

# JIHANE RACHED

## Software Engineer

📍 Casablanca

☎ +(212) 6 13 88 06 06

@ jihane\_rached@um5.ac.ma

🔗 jihancerached.github.io/Portfolio/



Recent ENSIAS graduate, passionate about software development and cloud technologies. Currently seeking a full-time position to take on new technical challenges.

## 🎓 ACADEMIC BACKGROUND

- 2022-2025 **Engineering in Data Science and IoT (IDSIT)**, 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 High Honors.

## 💼 PROFESSIONAL EXPERIENCE

February-August 2025	<b>Internship (PFE), Deloitte Extended Services, Migration of a microservices application to AWS</b> <ul style="list-style-type: none"><li>Conducted a <b>reverse engineering</b> process on a microservices application to identify business requirements and technical dependencies within a cloud migration scenario.</li><li>Designed a cloud-native architecture (ECS Fargate, RDS, Amazon MQ, Cloud Map) and automated its deployment and management using Terraform.</li></ul> <div style="display: flex; justify-content: space-around;"><span>Migration</span><span>AWS</span><span>Terraform</span><span>Node.js</span><span>Microservices</span><span>Infrastructure as Code</span></div>
July-August 2024	<b>Internship, BANK OF AFRICA - BOA SERVICES INTERNATIONAL, Data flow analysis and optimization for credit management</b> <ul style="list-style-type: none"><li>Analyzed client requirements to understand key indicators (KPIs) used in the debt collection process and the associated calculation scenarios.</li><li>Prepared data and automated KPI calculations using Python.</li><li>Designed dashboards in Power BI to present and analyze results.</li></ul> <div style="display: flex; justify-content: space-around;"><span>Python</span><span>Power BI</span><span>Client Interaction</span><span>Data Analysis</span><span>Data Visualization</span></div>
July 2023	<b>Internship, AKWA GROUP - Maghreb Oxygène, Stock optimization application development</b> <ul style="list-style-type: none"><li>Developed a web application using Angular and Django to digitalize the management of oxygen bottle stocks within the production department.</li><li>Analyzed business requirements and formalized the specifications to guide the development process.</li></ul> <div style="display: flex; justify-content: space-around;"><span>Angular</span><span>Django REST Framework</span><span>MySQL</span></div>

## 💼 ACADEMIC PROJECTS

<b>PainCare, Design and development of an application for endometriosis patients,</b>
<ul style="list-style-type: none"><li>Analyzed requirements and used UML to define application features.</li><li>Implemented charts to monitor factors affecting pain progression.</li><li>Set up CI/CD pipelines with Jenkins and Docker to automate testing and deployment.</li></ul> <div style="display: flex; justify-content: space-around;"><span>Spring Boot</span><span>Java</span><span>UML</span><span>Jenkins</span><span>Docker</span><span>Bootstrap</span><span>Chart.js</span></div>
<b>Smart Fridge, IoT and Mobile Project,</b>
<ul style="list-style-type: none"><li>Controlled a smart refrigerator remotely through a dedicated mobile application.</li><li>Captured real-time data from integrated IoT sensors using Firebase.</li><li>Displayed real-time stock visualizations using MPAndroidChart.</li></ul> <div style="display: flex; justify-content: space-around;"><span>Android Studio</span><span>Java</span><span>Python</span><span>Firebase</span><span>C/C++</span><span>Data Visualization</span></div>

## 💻 SKILLS

<b>Languages and Frameworks</b>	Spring Boot, Django, Python, Java, JavaScript, Node.js, Angular, HTML, CSS, C
<b>Tools and Cloud</b>	AWS, Terraform, Docker, Jenkins, Git, Power BI, Excel
<b>Databases</b>	MySQL, MongoDB, Firebase, PostgreSQL

## </> LANGUAGES

Arabic Native language

French Fluent

English Advanced level