

# OUBEN SAID YOUSSEF



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Software Engineering and Distributed Systems student at ENSET Mohammedia, seeking a 6-month end-of-studies internship starting January 2026. Passionate about software development, testing, microservices architecture, Java Spring Boot, AI, and Retrieval-Augmented Generation (RAG), I aim to actively contribute to an innovative and challenging project.

## Education

### ENSET Mohammedia

Software Engineering and Distributed Information Systems

**2023 - Present**  
Mohammedia, Morocco

### Faculty of Sciences and Technologies

DEUST Mathematics, Computer Science and Physics

**2021 - 2023**  
Errachidia, Morocco

## Technical Skills

- **Programming Languages** : C/C++, Java, Python, JavaScript
- **Databases** : MySQL, PostgreSQL, MongoDB, Redis, Supabase
- **Web Development** : Spring Boot, Angular, Express.js, Next.js
- **Architectures** : Monolithic, Microservices, Event-Driven Architecture
- **DevOps & Cloud** : Docker, Kubernetes, AWS, Git
- **Load Testing** : JMeter, Locust
- **Methodologies** : Agile, Scrum

## Professional Experience

### Effyis Group

Full Stack Developer Java - Internship

**July - August 2025**  
Casablanca, Morocco

- Created a load and integration testing strategy for an asynchronous distributed system
- Implemented performance tests using JMeter with KLoadGen for Kafka message testing
- Monitored system performance and analyzed metrics with Prometheus and Grafana
  - **Technologies** : JMeter (KLoadGen/Avro), Java, Kafka, Prometheus, Grafana

### VINCI Energies

Full Stack Developer Java - Internship

**June - July 2024**  
Morocco

- Developed a JavaFX and Spring Data JPA-based application for client order management
- Implemented material estimation and tracking features with data structuring for future AI insights
- Secured the application with Spring Security and designed the database architecture
  - **Technologies** : Java, JavaFX, Spring Boot, Spring Data JPA, Spring Security

## Projects

### Virtual Assistant with Gmail, Calendar, and Google Drive API Integration

- Developed a microservices-based virtual assistant using Spring Boot that processes natural language commands
- Integrated Gmail, Calendar, and Google Drive APIs to manage user operations across multiple Google services
- Implemented prompt engineering techniques with Llama 3 LLM to analyze user requests and convert them into actionable tasks
- Designed four main services functioning as an intelligent AI agent for automated task execution
  - **Technologies** : Spring Boot, Llama 3, Google APIs (Gmail, Calendar, Drive), Microservices Architecture

### AI-Powered Chatbot for ENSET Using LLMs and RAG

- Developed an AI-powered chatbot using Retrieval-Augmented Generation (RAG) for ENSET institution
- Implemented backend services with Spring Boot and Spring AI for intelligent query processing
- Created a user-friendly JavaFX frontend interface for seamless interaction
- Enabled professors to access real-time information and assisted students with academic queries
  - **Technologies** : Spring Boot, Spring AI, JavaFX, RAG, LLMs

## Languages

**Arabic** : Native language

**English** : Fluent

**French** : Intermediate

## Certifications

- **English for IT 1 & 2** - Cisco Networking 2024
- **React and Express** - Coursera 2024
- **Red Hat Certified System Administrator Linux (RHCSA)** - Part 1 & Part 2 2024