

Ridha Wannessi

IT Engineering Student – Web & Multimedia Technologies

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SUMMARY

Engineering student at ISIMS Sfax who builds complete applications: REST back-ends in Spring Boot and ASP.NET Core, web front-ends in Angular and Next.js, mobile apps, and AI solutions from computer vision to retrieval-augmented generation. My recent projects ship with automated tests, Docker and continuous integration.

EDUCATION

Engineering Degree in Computer Science – Web & Multimedia Technologies 2024 – 2026
ISIMS – Higher Institute of Computer Science and Multimedia of Sfax

National Bachelor's Degree in Information Technology – Multimedia & Web Development 2021 – 2024
ISET Sidi Bouzid – Higher Institute of Technological Studies

Baccalaureate in Computer Science 2019 – 2020
Sidi Ali Ben Aoun High School

SKILLS

Languages	Java, C#, Python, TypeScript, JavaScript, SQL
Back-end	Spring Boot, Spring Cloud, ASP.NET Core, Entity Framework Core, REST APIs, Microservices, JWT
Front-end & mobile	Angular, Next.js, React, HTML/CSS, Bootstrap, Tailwind CSS, Flutter, Android
Data & AI	Machine Learning, Deep Learning, TensorFlow/Keras, PyTorch, scikit-learn, NLP, RAG
Databases	PostgreSQL, MySQL, SQL Server, Elasticsearch
DevOps & tools	Docker, GitHub Actions (CI/CD), Git, Testcontainers
Other	Web design, Design thinking, Problem-solving, Communication

EXPERIENCE

End-of-Year Project (PFA) Intern — Wathiq Jul – Aug 2026
ReaddlyTech · github.com/Wathiqq/wathiq

- Built Wathiq, a fintech platform: digital wallet, BNPL, credit scoring, identity verification and merchant services.
- Modular monolith in .NET 10 and PostgreSQL 17 with an append-only ledger and architecture tests.
- Flutter mobile app, Next.js portals and a Python AI service; Docker and CI.

Final-Year Project Intern Feb – May 2024
Diva Software

- Built a Computerized Maintenance Management System (CMMS) with Angular and Spring Boot.
- Developed REST back-end services and responsive front-end interfaces.

Intern Jan 2021 and Jan 2022
Tunisie Telecom

- Advanced internship (2022): developed a web-based e-commerce application (back-end and front-end).
- Initiation internship (2021): discovered the professional IT environment and development practices.

SELECTED PROJECTS

RAG PDF Assistant github.com/ridhaw/rag-pdf-assistant — Python · LLM · FastAPI · Streamlit
Answers questions about PDF documents and cites its sources; multilingual embeddings, vector search, 20 automated tests.

Expense Tracker github.com/ridhaw/expense-tracker — ASP.NET Core 10 · EF Core · Next.js · TypeScript
Full-stack app with JWT authentication and monthly summaries; **16 integration tests** on PostgreSQL, Docker and CI.

AgriPredict github.com/ridhaw/agripredict-plant-disease — TensorFlow · Keras · Optuna
Plant disease detection from leaf images: **87.6 % test accuracy** with fine-tuned MobileNetV2.

Car Rental Microservices github.com/ridhaw/car-rental-microservices — Spring Boot · Spring Cloud · MySQL · Docker
API gateway with JWT, service discovery and centralized configuration; CI tests all 6 services.

Event & clinic management
Event management web app (Angular, Spring Boot, Elasticsearch) and Android app for clinic appointments.

ACTIVITIES

Active member of the **AWS Club** (Cloud Computing & DevOps) and the **IEEE Club**.