

Louay Houimli

+216 28854707 | louayhouimli@gmail.com | linkedin.com/in/louayhouimli | github.com/louayhouimli | louayho.me

EDUCATION

Higher Institute of Technological Studies of Rades (ISET Rades)

Bachelor's of Science, Information Technology

Rades, Tunisia

Sep. 2024 – Present

EXPERIENCE

Software Engineer

Najahni

Feb. 2025 – Present

Ben Arous, Tunisia

- Architected and developed a production platform enabling Tunisian students to share and monetize educational documents
- Designed and implemented a modular backend architecture using NestJS with secure authentication and authorization mechanisms
- Built RESTful APIs and managed data persistence using PostgreSQL, ensuring data integrity and scalability
- Developed and maintained a responsive frontend with Next.js and Tailwind CSS focused on usability and performance
- Implemented containerization and automated CI/CD pipelines using Docker and GitHub Actions to streamline deployments
- Translated product and business requirements into scalable technical solutions while maintaining production stability
- Actively maintaining and evolving the platform based on user feedback and real-world usage

Software Engineer Intern

BIAT Innovation & Technology

Jan. 2026 – Jan. 2026

Tunis, Tunisia

- Designed and developed a web application to manage employee leave and telework requests with approval workflows and status tracking
- Implemented secure authentication and role-based authorization using Spring Security, JWT, and HTTP cookies
- Engineered business rule validation including annual leave limits, weekly and monthly telework constraints, and calendar-based planning logic
- Developed RESTful APIs using Spring Boot and integrated them with an Angular frontend styled with Tailwind CSS and Spartan NG
- Designed and implemented the PostgreSQL database schema and containerized the application using Docker Compose

IT Infrastructure Intern

TUNISAIR

Jan. 2025 – Feb. 2025

Tunis, Tunisia

- Completed internship within the Infrastructure and Data Integration department
- Gained hands-on experience with IT infrastructure and enterprise data integration processes

PROJECTS

Testgenie-ai | TypeScript, Node.js

Jun. 2025 – Jun. 2025

- Developed an AI-powered CLI tool that generates complete unit test suites for JS/TS projects
- Automated test writing process to significantly improve developer productivity

X (Twitter) Clone | React (JavaScript), Node.js, Express, MongoDB

Aug. 2024 – Sep. 2024

- Developed a full stack social media platform mimicking core X (Twitter) features
- Implemented authentication, posts, hashtags, likes, comments, and repost system

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, SQL, HTML/CSS

Frameworks: React, Next.js, Angular, Node.js (Express), NestJS, Spring Boot, Tailwind CSS

Databases: PostgreSQL, MongoDB, Redis

Developer Tools: Git, Docker, GitHub Actions, VS Code, Postman

Testing & Concepts: REST APIs, JWT, JUnit, Mockito, CI/CD