**Nour El Houda Amimi** Software Engineering Student

[](https://nouramimi-portfolio.netlify.app/)[](http://www.linkedin.com/in/nour-amimi-1362452b1) [LinkedIn](https://www.linkedin.com/in/aziz-bouali/) [](https://github.com/nouramimi) [GitHub](https://github.com/saaya-code)

[Personal Portfolio](https://personal-portfolio-smoky-one.vercel.app/)

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# Profile

As a final year Engineering student, I am an enthusiastic IT learner deeply passionate about machine learning and web development. With a keen interest in exploring the realms of data science and building dynamic web applications, I am dedicated to honing my skills and making meaningful contributions to the field of information technology.

# Professional Experience

06/2024 – 08/2025

06/2024 – 07/2024

# Education

09/2024 – present Sousse, Tunisia

09/2021 – 06/2023

Sousse, Tunisia

# Organisations

11/2024 – 06/2025

Sousse, Tunisia

09/2024 – 06/2025

Sousse, Tunisia

07/2023 – Present

Sousse, Tunisia

06/2022 – Present

Sousse, Tunisia

## [LEONI Wiring Systems Massadine](https://circonomit.de/)

*[Software Engineer](https://circonomit.de/)ing Intern*

* Developed a real-time auction system where users can bid on products; the highest bidder wins when the auction ends
* Ensured smooth user experience for bidding, tracking auctions, and receiving notifications.
* Built the platform using Angular (frontend) and Spring Boot (backend).
* Followed a microservices architecture for modularity and scalability.

## [LEONI Wiring Systems Massadine](https://circonomit.de/)

*[Software Engineering Intern](https://circonomit.de/)*

* Developed an employee management application using Angular and Spring Boot.
* Implemented internationalization (i18n) in the Angular fronten.
* Added localization features to support multiple languages.
* Ensured support for regional formats (e.g., date, number formats) in the user interface.

## [Second-year software engineering student](https://issatso.rnu.tn/)

*[Higher Institute of Applied Sciences and Technology [](https://issatso.rnu.tn/)](https://issatso.rnu.tn/)*

Relevant courses include: Algorithms and Data Structures, Computer Architecture, Software Architecture, Design Patterns, Advanced Databases, Networking, Data Transmission..

## [Integrated preparatory cycle student](https://issatso.rnu.tn/)

*[Higher Institute of Applied Sciences and Technology [](https://issatso.rnu.tn/)](https://issatso.rnu.tn/)*

Relevant courses include: Algebra, Calculus, Physics, Signal Mathematics, Engineering Mathematics, CUDA Programming.

## [Arsii issatso club](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)

*[Spring Boot instructor](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)*

## [Microsoft Issatso Club](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)

*Head of HR department*

## [JCI](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)

*[A](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)ctive member*

## [Red Crescent Society of Msaken](https://gdg.community.dev/gdg-on-campus-higher-institute-of-applied-science-and-technology-sousse-tunisia/)

*Active member*

# Skills

 Java

 C/C++

 JavaScript

 Python

# Languages

SpringBoot Angular Django

MongoDB

Agents LangChain

Git & GitHub Docker

 English  French  Arabic

# Personal Projects

12/2024 – 12/2024 **[Academic Management System [](https://github.com/nouramimi/surveillance-des-examens)](https://hackwarts-preview.netlify.app/)**

*[Angular/Django/Python/Genetic Algorithm](https://hackwarts-preview.netlify.app/)*

This web application supports both students and teachers in managing academic activities. Students can access schedules, course materials, announcements, and account settings. Teachers can view schedules, invigilation hours, manage courses, and update accounts. The system uses a genetic algorithm to automate exam scheduling and balance invigilation hours according to weekly teaching loads, improving efficiency and fairness.

12/2024 – 12/2024 **[AI & Environmental Monitoring Suite [](https://github.com/nouramimi/AI-Environmental-Monitoring-Suite)](https://hackwarts-preview.netlify.app/)**

*[ARIMA/YOLOv8/Decision Tree/RAG/Random Forest/Linear Regression](https://hackwarts-preview.netlify.app/)*

A collection of AI-driven applications leveraging advanced ML models:

- Fire Prediction with ARIMA

- Fire Detection using YOLOv8 CNN

- Water Pollution Analysis via Decision Tree Classifier

- AI Chat Assistant with Retrieval-Augmented Generation

- Air Quality Monitoring using Random Forest, Linear Regression, and Decision Tree

12/2024 – 12/2024 **[Online Auction Platform [](https://github.com/nouramimi/backendAuction)](https://hackwarts-preview.netlify.app/)**

*[Angular/Spring Boot/MongoDB/Kafka/Eureka](https://hackwarts-preview.netlify.app/)*

A full-featured auction web application built with Angular and Spring Boot using a microservices architecture. Users can place bids on products, with the highest bidder winning at auction end. The platform leverages multiple microservices, including:

Discovery, Notification, Auction, Order, Inventory,

Product, User Services, and API Gateway.

03/2024 – 04/2024 **[Employee Management Platform [](https://github.com/nouramimi/Employee-Management-Platform)](https://github.com/saaya-code/SupermarketAdminManager)**

*[Angular/Spring Boot/MySQL/JWT/Hibernate](https://github.com/saaya-code/SupermarketAdminManager)*

A full-stack web application for efficient employee and document management. Features include secure JWT-based authentication with session management, multilingual support, employee record CRUD operations, and document upload with data extraction. Built with Angular frontend and Spring Boot backend.

03/2024 – 04/2024 **[Mood Companion Chatbot [](https://github.com/nouramimi/Agent-m7ar7er)](https://github.com/saaya-code/Workshops-manager)**

*[React/Hugging Face/Ollema/RAG](https://github.com/saaya-code/Workshops-manager)*

An interactive chatbot that provides emotional support and mood tracking. Built with React and powered by Retrieval-Augmented Generation using Hugging Face models and Ollema for smart, context-aware conversations.

07/2023 – 07/2023 **[Car Price Estimation Quiz [](https://github.com/nouramimi/car-price-prediction)](https://github.com/saaya-code/HackwartsBot)**

*[Angular/Django/Machine Learning](https://github.com/saaya-code/HackwartsBot)*

A web-based quiz application that estimates car prices based on user inputs. The frontend is built with Angular for a responsive experience, while the backend uses Django to handle data processing and machine learning predictions.

03/2023 – 04/2023 **[Online Cinema Ticket Booking [](https://drive.google.com/file/d/1PD8FdDeDRtlk_YsKAyWc60xjXAxKmdhK/view?usp=drive_link)](https://github.com/saaya-code/Ticket-Reservation-API)**

*[WordPress](https://github.com/saaya-code/Ticket-Reservation-API)*

A user-friendly WordPress platform that allows moviegoers to browse current movies, check showtimes, and purchase tickets securely online. The site features personalized movie recommendations to enhance user experience, along with an integrated chatbot that provides instant assistance with bookings, showtimes, and venue information.

05/2022 – 06/2022 **[Event Scheduling & Registration System [](https://github.com/nouramimi/event_registration)](https://github.com/saaya-code/Browser-Game)**

*[Django/Python](https://github.com/saaya-code/Browser-Game)*

A robust web application built with Django that allows event organizers to create and categorize events while enabling users to browse, register, and manage their event attendance easily. Features include user authentication, event categorization, and streamlined registration workflows for a seamless user experience.

07/2021 – 07/2021 **[Music Recommendation System [](https://github.com/nouramimi/Music_Recommendation_System)](https://github.com/saaya-code/Restful-api)**

*NLP/Python/Streamlit*

An interactive music recommendation app built using NLP techniques and cosine similarity on the Spotify Million Song Dataset (CSV).

Deployed with Streamlit, it analyzes user preferences and suggests similar tracks based on tokenized metadata and audio features.

07/2021 – 07/2021 **[Spring Email Sender & Receiver [](https://github.com/nouramimi/email-integration)](https://github.com/saaya-code/Restful-api)**

*[JSpring Boot/S](https://github.com/saaya-code/Restful-api)MTP/Java*

Backend service built with Spring Boot that enables sending and receiving emails via SMTP.

Designed for seamless integration with frontend applications or other backend services

02/2021 – 02/2021 **Auction Website Design [](https://www.figma.com/design/dmIpDCpzu10S21sjVTNag2/projetIhm-figma?m=auto%26t=kIAiITJlr97fbps3-1)**

*Figma*

A detailed Figma design project for an auction website, showcasing user interface layouts, interactive elements, and a seamless user experience focused on usability and visual appeal.

12/2020 – 02/2023 **[Post Sharing App [](https://github.com/nouramimi/MERN-STACK-POSTS-PROJECT)](https://github.com/saaya-code/sabot)**

*[MongoDB/Express.js/React/Node.js](https://github.com/saaya-code/sabot)*

Full-stack web app built with MongoDB, Express.js, React, and Node.js. Users can create posts, react with emojis, and manage posts dynamically in real time.

# WORKSHOPS AND CONFERENCES - HOSTED

 MAZE Hackathon, organized by Microsoft ISSATSO Club 2025

 Hands-On Angular : Exploring routes, services and injectors 2025

 Mastering Spring Boot : Building a Back-end application 2025

# Awards

## [DevFest – 3rd Place Winner](https://www.linkedin.com/posts/aziz-bouali_hey-everyone-im-happy-to-share-that-my-activity-7191167452498554880-3GO3?utm_source=share&utm_medium=member_desktop&rcm=ACoAADBI4ZkBnApnKXA1rQkUdb4ylYziGrIxiC8)

*[I](https://www.linkedin.com/posts/aziz-bouali_hey-everyone-im-happy-to-share-that-my-activity-7191167452498554880-3GO3?utm_source=share&utm_medium=member_desktop&rcm=ACoAADBI4ZkBnApnKXA1rQkUdb4ylYziGrIxiC8)SSAT Sousse*

## [Certificate of Recognition](https://www.linkedin.com/posts/aziz-bouali_hey-everyone-im-happy-to-share-that-my-activity-7191167452498554880-3GO3?utm_source=share&utm_medium=member_desktop&rcm=ACoAADBI4ZkBnApnKXA1rQkUdb4ylYziGrIxiC8)

*LEONI Wiring Systems Massadine*

# Certificates

 [Samsung Innovation Campus (SIC) – Certificate of Completion, AI Course[](https://www.linkedin.com/posts/nour-amimi-1362452b1_aiforgood-machinelearning-sustainability-activity-7311015832132698112-i5QN?utm_source=share%26utm_medium=member_desktop%26rcm=ACoAAEr2znoBTXtzg2OO5YktgajLWKwuaa0JrYU)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [NVIDIA Deep Learning Institute](https://www.coursera.org/account/accomplishments/certificate/X2JDYPAA45SJ)

 [Building RAG Agents with LLMs [](https://learn.nvidia.com/certificates?id=tUdxJhWaTNCwXr8YVH_dAQ)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [Building Transformer-Based NLP Applications [](https://learn.nvidia.com/certificates?id=79JntZlZSYiZkZgnBv-uFQ)](https://www.coursera.org/account/accomplishments/certificate/X2JDYPAA45SJ)

 [Fundamentals of Deep Learning [](https://learn.nvidia.com/certificates?id=gZHRDWZuQvyDLyPiAedqXw)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [Google – Google Data Analytics [](https://www.coursera.org/account/accomplishments/professional-cert/certificate/34HUVC53AALE)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 Coursera

 [Advanced Learning Algorithms [](https://www.coursera.org/account/accomplishments/verify/RZAS373XGK4P)](https://www.coursera.org/account/accomplishments/certificate/X2JDYPAA45SJ)

 [Unsupervised and Reinforcement Learning [](https://www.coursera.org/account/accomplishments/verify/GFOVSB5T6EDM?utm_source=link%26utm_medium=certificate%26utm_content=cert_image%26utm_campaign=pdf_header_button%26utm_product=course)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 Cisco

 [CCNA 1 [](https://www.credly.com/badges/5920b8fd-103c-4bc9-9477-2fd887ca9937/linked_in_profile)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [CCNA 2 [](https://www.credly.com/badges/021b2654-c0e1-48b4-8d80-afcf9262b4d1/linked_in_profile)](https://www.coursera.org/account/accomplishments/certificate/X2JDYPAA45SJ)

 [DevNet Associate [](https://www.credly.com/badges/35cd58c4-8124-4027-947c-e45d65f58f4a/linked_in_profile)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [UVT – Certificate in Artificial Intelligence and Machine Learning [](https://www.linkedin.com/posts/nour-amimi-1362452b1_jai-le-plaisir-de-vous-annoncer-que-jai-activity-7280013622355931136-_Mev?utm_source=share%26utm_medium=member_desktop%26rcm=ACoAAEr2znoBTXtzg2OO5YktgajLWKwuaa0JrYU)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)

 [Imperial English UK – Certificate of English Language (CEFR C1) [](https://www.linkedin.com/posts/nour-amimi-1362452b1_englishproficiency-cefr-ielts-activity-7324793844028370944-QfVl?utm_source=share%26utm_medium=member_desktop%26rcm=ACoAAEr2znoBTXtzg2OO5YktgajLWKwuaa0JrYU)](https://www.coursera.org/account/accomplishments/certificate/8PJ4DV7KJVSR)