

# Liza Mezioug

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Master's Student in Intelligent Computer Systems – University of Science and Technology Houari Boumediene (USTHB), Algiers

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Portfolio: <https://mezioug-liza.vercel.app/>

## Professional Summary

Master's student in Intelligent Computer Systems (M2) and full-stack web developer, passionate and motivated by both artificial intelligence and web development. My academic background and diverse project experiences have allowed me to build robust skills in software development, intelligent systems design, and problem-solving. I am comfortable working independently or collaboratively, whether on-site or remotely. I continuously learn new technologies and frameworks to enhance my skills in machine learning, deep learning, and full-stack web development.

## Technical Skills

- Frontend Development: React.js, HTML, CSS, Bootstrap, Tailwind CSS, JavaScript
- Mobile Development: Flutter, Dart
- Backend Development: Node.js, Express.js, PHP, Python (Flask, Django), Java, FireBase
- Databases: MySQL, MongoDB, PostgreSQL, SQLite, SQL3, Oracle
- AI: Machine Learning, Artificial Neural Networks, Data Analysis, Data science, NLP, Transfer Learning
- Tools: Git, LaTeX, Word, Excel, PowerPoint, Figma, Canva
- Other: Multi-agent Systems, Metaheuristics, E-commerce

## Soft Skills

- Teamwork and collaboration
- Strong communication

- Time management and meeting deadlines
- Ability to work under pressure
- Autonomy and responsibility
- Project planning and leadership
- Adaptability and continuous learning

## Languages

- Tamazight
- Arabic
- French
- English

## Education

Master's in Intelligent Computer Systems – University of Science and Technology Houari Boumediene (USTHB), Algiers (2024–2026)

Bachelor's in Computer Science – University of Science and Technology Houari Boumediene (USTHB), Algiers (2021–2024)

→ Final Year Project: Design and development of an interactive website to manage university transitions and professional opportunities for students (Startup 1275)

Baccalaureate – Mathematics Track – 2021

## Professional Experience / Internships

- Air Algérie (Technopole of Bachdjerrah) – July 1<sup>st</sup> to August 31<sup>st</sup>, 2025: Planning and optimization of flight schedules based on available human and material resources using multi-agent systems and genetic algorithms.
- KleerInfini (Remote) – July 12<sup>th</sup> to September 24<sup>th</sup>, 2025: Frontend development of a B2B platform for managing Algerian export opportunities.
- Sonatrach (Hydra) – October 29<sup>th</sup> to November 28<sup>th</sup>, 2024: Discovery of the company and various departments of the Central Directorate of Digitalization and Information Systems, with a strong understanding of the technologies, practices, and real-world applications of computer science in a professional setting.
- Algérie Telecom (Kouba) – July 10<sup>th</sup> to August 30<sup>th</sup>, 2024: Developed an interactive website for hair salon management and appointment booking.
- Algérie Telecom (Hussein Dey) – August 20<sup>th</sup> to September 10<sup>th</sup>, 2023: Company discovery and game development using Python (Pygame).

## Projects

- Forest Fire Risk Prediction using Soil & Climate Data
- Real-Time Baby Cry Classification Mobile App
- E-commerce website with bidding system and Stripe payment integration
- Intelligent price prediction system before bidding
- Earthquake magnitude prediction model
- Mobile application for real-time global clock display
- Web interface for querying a smart city road network database

## Activities

- Development team member at GDG Algiers (ESI) since 2024
- Huawei ICT Competition 2024–2025 – Cloud Track: AI, Cloud, Big Data – National Exam (February 2025)
- GDG Hackathon – GDGHack (February 2025)
- GDG Integration Program – GIP25 Mentor (October 2025)
- English Training – USTHB Language Center (2024, 2025)
- Office Tools Certification: Word, Excel, PowerPoint – July 2023