



Hazem Mezgar

5th-year Software Engineering student

+216 50253888 • hazem.mezgar@polytechnicien.tn • Monastir, Tunisia

LinkedIn: hazem-mezgar • Github: Hazem-Mezgar • portfolio: hazemmezgar.com

Languages: Arabic (Native), French (Fluent), English (Professional)

RESUME

I am a final-year Software Engineering student at Polytechnique Sousse with practical experience in designing and developing software applications. I have successfully managed projects from concept to deployment, delivering solutions that add value. My key strengths include problem-solving and full-stack development. I am eager to join a **PFE internship** where I can apply my skills and continue learning. I am motivated by challenges and driven to create meaningful digital innovations.

SKILLS

- **Programming Languages:** Java • JavaScript • TypeScript • Python • PHP • C/C++
- **Web & Mobile Development:** Angular • React.js • Node.js • Next.js • Laravel • SpringBoot • Android Studio • Flutter
- **Databases:** MySQL • MongoDB
- **Tools & Platforms:** Git • GitHub • Postman • Docker
- **Project Management Tools:** Notion • Trello • Jira • jQuery.
- **IoT & Embedded Systems:** Arduino • Raspberry Pi • Sensors • Real-time data processing
- **Media & Design:** Adobe Photoshop • Adobe Premiere Pro • Canva • Video editing & content creation
- **Other Skills:** Agile & Scrum • Technical documentation • Public speaking • Team collaboration

EXPERIENCE

GSB Football Club Website

Mobelite – Summer Internship | Tunisia, 2025

- Designed and developed a responsive website for GSB Football Club using React.js and Node.js, integrating image upload and management with Multer, enabling admin control over 20+ players, 10+ matches, and weekly news updates.
- Technologies: React.js, Node.js, MongoDB, Multer

Fire Detection System using Deep Learning

Smart Logger – Bachelor Internship | Tunisia, 2023

- Built a fire detection system using Convolutional Neural Networks (CNN) in Python, trained on a dataset of 5,000+ images, achieving 92% detection accuracy, and integrated with real-time alert logic for safety monitoring.
- Technologies: Python, TensorFlow/Keras, OpenCV

Taktak – Restaurant Management System

Polytechnique Sousse – Final Year Project | Tunisia, 2024

- Developed a full-stack restaurant management system using Laravel and MySQL, with a JavaFX desktop version managing over 200 reservations, 50 daily transactions, and 2 user roles.
- Technologies: Laravel, MySQL, JavaFX, Java, PHP

Catalog Management System

Academic Project | Tunisia, 2025

- Developed a catalog management system based on Spring Boot microservices, featuring enhanced JWT security and centralized configuration. Integrated Artificial Intelligence using Spring AI, Ollama, and Llama 3.2.
- Technologies: Spring Boot, Microservices, Spring AI, Ollama, Llama 3.2, JWT, Spring Security

GreenGate Web Platform

Freelance Project | Tunisia, 2025

- Built a full-stack web platform with React.js (frontend) and Laravel (backend) for GreenGate, featuring dynamic content management, and presented it to 1,500+ participants during a live event.
- Technologies: React.js, Laravel, MySQL

EDUCATION

- **Baccalaureate, Technical Specialty** | Lycée Bekalta - Monastir, Tunisia June 2019
- **Bachelor's Degree in IoT & Embedded Systems** | Faculty of Science – Monastir, Tunisia
Building IoT solutions, programming embedded systems, developing mobile apps, and managing connected devices. September 2021 - June 2023
- **Engineering Degree in Software Engineering** | Polytechnique Sousse – Sousse, Tunisia
Developing applications, designing software architectures, applying AI/ML techniques, and collaborating in Agile teams with DevOps practices. September 2023 - Current

HOBBIES & INTERESTS

- **Photography & Graphic Design:** Passionate about visual storytelling, photo editing, and digital design.
- **Journalism & Media:** Former media advisor at Jaridaty Al Khat, with experience in content creation and reporting.
- **Sports Media:** Media team member for Étoile Sportive du Sahel and media director of Gazelle Sportive de Bekalta, Football player for Gazelle Sportive de Bekalta.
- **Community Involvement:** Event advisor at JCI Bekalta and active member of the Data Science Club.
- **Volunteering & Leadership:** Engaged in organizing tech and sports events, leading creative initiatives, and promoting community development.