

ISLEM GHARSALLAH

Information Technology Student | Full Stack Developer | AI Enthusiast

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EDUCATION

Higher Institute of Technological Studies of Radès (ISET Radès)

Radès, Tunisia

Bachelor's Degree in Information Technology – Information Systems Development

Sept. 2023 – June 2026

- Relevant Coursework: Object-Oriented Programming, Web Frameworks, Mobile Development, Artificial Intelligence, Big Data, UML

EXPERIENCE

Full Stack Developer Intern

Jan. 2025 – Feb. 2025

Office of Civil Aviation and Airports (OACA)

Charguia, Tunisia

- Developed a digital exam management platform with automated result analysis using Spring Boot and Angular
- Integrated AI modules using Google Gemini API for automatic exam question generation
- Designed an interactive chatbot and analytics dashboard with data visualization

IT Technician Intern

Jan. 2024 – Feb. 2024

National Sanitation Office (ONAS)

Tunis, Tunisia

- Managed network infrastructure and performed system maintenance across the organization
- Improved system security and performance through configuration optimization

PROJECTS

Hyperion Analytics AI | *Spring Boot 3, Angular 19, Google Gemini, Docker, PostgreSQL, WebSocket*

2026

- Built an AI-powered self-healing analytics engine that converts natural language to SQL/Python execution
- Implemented secure Docker-sandboxed Python runtime with memory limits and network isolation
- Designed real-time WebSocket streaming for live execution tracking and human-in-the-loop approval workflow
- Integrated RAG (Retrieval-Augmented Generation) with pgvector for context-aware AI responses

AutoParts E-Commerce Platform | *Spring Boot, Angular 18, TensorFlow, PostgreSQL, Kotlin*

2025

- Developed a full-stack e-commerce platform with AI-powered visual search using CNN EfficientNet (97% accuracy)
- Implemented real-time delivery tracking with WebSocket and Leaflet Maps, Stripe payment integration
- Created a native Android mobile app (Kotlin) and admin panel with comprehensive analytics

AI Stock Trading Platform | *Angular 18, Spring Boot 3, TensorFlow/Keras, Chart.js*

2025

- Built a trading platform with LSTM-based stock price predictions for AAPL, MSFT, and S&P 500
- Developed secure REST API (JWT authentication) with real-time WebSocket updates

UpToHire Recruitment Platform | *React 18, Spring Boot 3.4, Stanford CoreNLP, HuggingFace*

2025

- Created an AI recruitment platform with ATS scoring and semantic candidate matching
- Integrated real-time job scraping via JSearch API (20+ platforms) with algorithmic bias detection

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, Kotlin, PHP, C

Frontend: Angular, React, Next.js, React Native, Flutter, Tailwind CSS, Material Design

Backend: Spring Boot, FastAPI, Node.js, Symfony, REST APIs, WebSocket, GraphQL

Databases: PostgreSQL, MongoDB, MySQL, Redis, Apache Kafka, Spark, Hadoop

AI/ML: TensorFlow, Keras, LSTM, scikit-learn, Pandas, NumPy, HuggingFace, LangChain

DevOps: Docker, Git, GitHub Actions, GitLab CI/CD, Linux

CERTIFICATIONS & ACTIVITIES

Certifications: Python Essentials 1 & 2 (Cisco) · Machine Learning (Columbia University) · Ethical Hacker (Cisco)

Associations: IEEE CS Chapter & Securinets ISET Radès – Technical workshops, CTF competitions

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