

ISLEM GHARSALLAH

Information Technology Student | Full Stack Developer | AI Enthusiast

📞 +216 26 598 197 | 📩 islemgharsallah86@gmail.com | 💬 islem-gharsallah | 💬 Gharsallah-Islam

EDUCATION

Higher Institute of Technological Studies of Radès (ISET Radès) <i>Bachelor's Degree in Information Technology – Information Systems Development</i>	Radès, Tunisia
	Sept. 2023 – June 2026

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

EXPERIENCE

Full Stack Developer Intern <i>Office of Civil Aviation and Airports (OACA)</i>	Jan. 2025 – Feb. 2025 Charguia, Tunisia
<ul style="list-style-type: none">• 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 <i>National Sanitation Office (ONAS)</i>	Jan. 2024 – Feb. 2024 Tunis, Tunisia
<ul style="list-style-type: none">• Managed network infrastructure and performed system maintenance across the organization• Improved system security and performance through configuration optimization	

PROJECTS

Hyperion Analytics AI <i>Spring Boot 3, Angular 19, Google Gemini, Docker, PostgreSQL, WebSocket</i>	2026
<ul style="list-style-type: none">• 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 <i>Spring Boot, Angular 18, TensorFlow, PostgreSQL, Kotlin</i>	2025
<ul style="list-style-type: none">• 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 <i>Angular 18, Spring Boot 3, TensorFlow/Keras, Chart.js</i>	2025
<ul style="list-style-type: none">• 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 <i>React 18, Spring Boot 3.4, Stanford CoreNLP, HuggingFace</i>	2025
<ul style="list-style-type: none">• 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)