

Taha Yassine Ben Ali

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PROFILE

ICT Engineering student at ENIG specialized in Networks and Embedded Systems. Expert Full-stack developer focused on Computer Vision, Agentic AI architectures, and Geospatial logic. Proven track record in delivering high-grade architectural solutions and deceptive security systems, with a comprehensive portfolio of production-ready web ecosystems.

EDUCATION

Engineering Cycle in ICT (Networks & Embedded Systems) National School of Engineers of Gabes (ENIG)	2024 – Present Gabes, Tunisia
Pre-Engineering Preparatory Classes (Mathematics & Physics) Pre-Engineering School of Kairouan (IPEK)	2022 – 2024 Kairouan, Tunisia

EXPERIENCE

Software Engineering Intern <i>Cybersecurity Research Task</i>	Summer 2025 Tunisia
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- Developed an **Interactive Honeypot System** with a simulated shell and real-time session recording via **WebSockets**.
- Engineered a replay engine parsing `.log` files to analyze attacker behavior patterns and keystroke sequences.

TECHNICAL SKILLS

- AI & Computer Vision:** CNNs (MRI Tumor Detection), Gemini Pro/Vision, VLM, TensorFlow, Keras.
- Languages & Web:** TypeScript, Python, C/C++, Java (EE), PHP, Next.js, Node.js, Socket.io, Supabase, MySQL.
- Networking & Systems:** CCNA (Routing/Switching), OpenStreetMap API, Docker, Linux, Signal Processing.

SELECTED PROJECTS

NeuroScan AI Automated MRI Pathology Classification	<i>TensorFlow, CNN, Python</i>
<ul style="list-style-type: none">Built an automated diagnostic system for the rapid and reproducible classification of brain tumors from MRI scans.Implemented a specialized Convolutional Neural Network (CNN) architecture optimized for medical imaging datasets.Developed a full web-based dashboard for medical professionals to upload scans and receive real-time analysis.	
MindLink AI-Powered Social Discovery Platform	<i>Next.js, Gemini API, OSM</i>
<ul style="list-style-type: none">Designed a high-concurrency social platform featuring MBTI-based matchmaking and AI-automated wellness tasks.Built a "Fair Meeting Point" engine utilizing the OpenStreetMap API to calculate optimal geospatial coordinates.	
TH-Loan Full-Stack Core Engineering System	<i>PHP, MySQL, JavaScript</i>
<ul style="list-style-type: none">Developed a 100% functional car loan marketplace using raw SQL for complex financial auditing.Integrated an administrative auditing suite and a custom chatbot for real-time customer loan simulations.	
RIHLA AI Heritage & Tourism Platform	<i>Next.js, Gemini Vision, YouTube API</i>
<ul style="list-style-type: none">Engineered a travel assistant using Vision-Language Models to identify heritage sites and provide historical context.Orchestrated multi-API integration (Weather, CO2, Maps) to generate personalized, eco-conscious travel itineraries.	
TH-Drive Geospatial Ride-Sharing Simulation	<i>Next.js, Firebase, Framer Motion</i>
<ul style="list-style-type: none">Developed a real-time ride-sharing simulation with live driver tracking and synchronized state management via Firebase.	

CERTIFICATIONS & INTERESTS

- Certifications:** Cisco Certified Network Associate (CCNA 1 & 2).
- Technical Interests:** Electronic Music Production (Signal Synthesis); Game Development (Luau/Roblox).
- Languages:** Arabic (Native), English (Adv. Intermediate), French (Adv. Intermediate).