

PROFILE

AI Engineer specialized in generative AI and multi-agent systems, designing intelligent assistants and automation systems that reduce manual tasks and improve decision-making. I continuously explore new tools and frameworks to build the right stack per use case, always prioritizing the most relevant solution over a familiar one.

EDUCATION

Esprit: School of Engineering <i>Engineering Degree in Computer Science</i>	Tunis, Tunisia 2023 – Present
Integrated Preparatory Cycle <i>Mathematics & Physics</i>	Esprit Tunis 2020 – 2023

EXPERIENCE

Freelance Software Engineer - Contributing to a multi-tenant AI sales outreach platform, shipping backend, AI, and frontend features end-to-end. - Built an AI agent system that autonomously qualifies prospects and generates personalized outreach at scale. - Handling deployments and stabilizing the production pipeline by fixing scoring, enrichment, and webhook issues. Tech Stack: <i>Python, FastAPI, Next.js, TypeScript, PostgreSQL, Anthropic Claude, QStash, Unipile, Stripe, Railway, Vercel</i>	B2B SaaS Startup, Paris · Remote · Mar 2026 – Present
End-of-studies Internship - Designed a multi-tenant platform where users build and deploy AI voice agents across phone, chat, and WhatsApp. - Built real-time voice agents with knowledge retrieval, data collection, and human handoff at sub-second latency. - Enabled businesses to offer 24/7 customer engagement without added headcount, handling inquiries, bookings, and support. Tech Stack: <i>React, FastAPI, Supabase, OpenAI Realtime API, Twilio, Stripe, Redis, Docker, Azure</i>	Agile4UX · February - July 2026
AI Automation Intern - Analyzed marketing and sales processes to identify repetitive tasks and automation opportunities. - Designed a multi-agent system to research, qualify, and analyze prospects, generating strategic reports. - Reduced manual prospecting time by ~80% and automated report delivery and CRM integration. Tech Stack: <i>Python, FastAPI, OpenAI, CrewAI, Latenode, Presenton</i>	Agile4ux · 2025

PROJECTS

Pedagog'IA – AI Platform for Teachers 🔗 - Built a social platform for Tunisian teachers to share resources, combined with an AI feature generating fiches, quizzes, and exercises. - Implemented an AI credits system, admin panel, and full social feed feature set. - Designed the AI generation flow around subject, level, and chapter inputs for fast lesson prep. Tech Stack: <i>Next.js, FastAPI, Supabase, pgvector, GitHub Models (gpt-4o-mini)</i>	
Recruitment Automation System 📌 - Built four interconnected pipelines covering candidate intake, AI scoring, ATS synchronization, and lead generation. - Scored candidates against job requirements using weighted signals, generating clear reasoning behind every shortlist decision and triggering automated shortlist emails and Telegram alerts. - Synced candidate data automatically across the ATS, kanban board, and public job board, keeping every system up to date in real time. Tech Stack: <i>n8n, Make, REST APIs, Webhooks, Telegram, Notion</i>	
TT Assistant – Multilingual Chatbot (CSR Hackathon) 🔗 - Built an inclusive multilingual chatbot for Tunisie Telecom supporting Arabic, French, English, and Tunisian dialect. - Enabled both voice and text interaction using Whisper for speech and GPT-4o for responses. - Won 3rd place at the AI for CSR Hackathon. Tech Stack: <i>GPT-4o, Whisper, LangChain, FastAPI, n8n, Telegram</i>	

TECHNICAL SKILLS

Generative AI & Agents	LLMs, RAG, LangChain, CrewAI, MCP, Claude Code, Transformers
ML & MLOps	PyTorch, TensorFlow, Scikit-learn, MLflow, Azure ML Studio, SHAP, GitHub Actions
Development & Data	Python, JS (Node.js), Java (Spring Boot), FastAPI, REST APIs, Pandas, SQL, NoSQL
Infra & Automation	Docker, Render, Git/GitHub, Elasticsearch, Kibana, n8n, Latenode

ASSOCIATIONS

JCI Kelibia	Member
Tunisian Scouts	Scout Leader

LANGUAGES

Arabic	Native
English	Fluent
French	Fluent