

Semer Nahdi

Final Year Big Data - Artificial Intelligence Engineering Student

[✉ semernahdi25@gmail.com](mailto:semernahdi25@gmail.com) | [📞 29 259 950](tel:29259950) | [🔗 Semer Nahdi](#) | [👤 Semer Nahdi](#) | [🌐 Portfolio](#)

Professional Experience

Advocate AI – AI Intern	07/2025 – 10/2025
<ul style="list-style-type: none">Contributed to the development of an AI-powered onboarding agent to assist new clients.Developed a voice assistant for sales executives to simulate client meetings.Built a platform that aggregates data from multiple CRMs into a centralized graph database.	
Medianet – AI-Software Engineering Intern	05/2025 – 07/2025
<ul style="list-style-type: none">Built an AI voice agent for personalized mock interviews.Used Next.js, Firebase, and Vapi API to build a scalable, cloud-hosted platform.	
MS Solution – Software Intern	06/2024 – 07/2024
<ul style="list-style-type: none">Designed and implemented a secure QR-based payment and transaction system.Built the system using ASP.NET, Blazor, and SQL Server, focusing on transaction integrity and performance.	

Projects & Hackathons

NLP Fraud Detection System (DeBERTa) ↗	12/2025
<ul style="list-style-type: none">Fine-tuned DeBERTa-v3-base using LoRA adapters for NLP fraud detection across 7 domains.Designed a modular training pipeline with domain adaptation.	
AI Finance Personal Assistant (Multi-Agent MCP) ↗	11/2025
<ul style="list-style-type: none">Developed a finance-focused multi-agent MCP system for real-time stock and ETF analysis, daily reports, and news retrieval.	
Real-Time Stock Market & ETF Analytics Platform	11/2025
<ul style="list-style-type: none">Built an end-to-end ETL pipeline for real-time stock and ETF data processing.Created interactive Power BI dashboards for financial analytics and visualization.Designed a Next.js web app with real-time streaming and background job processing using Inngest.	
Machine Learning User Behavior Analysis ↗	05/2025
<ul style="list-style-type: none">Built a real-time gaze detection system with a custom AI model, achieving 65% accuracy.Developed a Next.js web app to monitor user behavior during video playback and generate reports.	
Microsoft Anomaly Prediction Analysis ↗	04/2025
<ul style="list-style-type: none">Conducted Forecasting and Anomaly Detection on the Microsoft Malware Prediction dataset.Performed data preprocessing, feature selection, and trained Random Forest models to improve predictive accuracy.	
Emotion Recognition System ↗	09/2024
<ul style="list-style-type: none">Implemented facial emotion detection using computer vision techniques, achieving 79% accuracy.Evaluated and optimized system performance and reliability.	
Hackathon "Dive into the Squid Gamers' Arena"	01/2025
<ul style="list-style-type: none">Developed a BERT model RAG chatbot prototype in 12 hours.Collaborated with a multidisciplinary team to brainstorm and document the project under tight deadlines.	
Hackathon “De l'idée à la startup” – 1st Edition ↗	01/2025
<ul style="list-style-type: none">Prototyped a healthcare app in 72 hours to centralize patient medical data.Integrated an AI-powered medication identifier using OCR with 95% accuracy.	

Technical Skills

- AI / ML:** PyTorch, TensorFlow, XGBoost, Random Forest, LSTM, Transformer, NLP BERT, HuggingFace, LangChain, MCP
- Databases and Big Data:** SQL, NoSQL, MySQL, MongoDB, Firebase, Supabase, Neo4j, ETL, Power BI
- MLOps and Deployment:** FastAPI, Streamlit, Docker, Git, CI/CD, Vercel, n8n
- Programming and Web:** Python, Streamlit, Gradio, JavaScript MERN, Next.js, TypeScript, Java Spring Boot, C, C++, C

Certifications

- MLops, Machine Learning – **365 Data Science**
 - Java, Python, JavaScript, Databases – **Certiport**
 - Cloud Foundations – **AWS**
 - Deep Learning – **NVIDIA**
 - IELTS Band 8 (C1) – **British Council**
- » Full list available online

Education

- Polytech Intl – Tunis, Tunisia** Expected June 2026
Engineering Degree in Big Data and Artificial Intelligence
- Faculty of Science – Bizerte, Tunisia** 2020–2021
Integrated Preparatory Cycle