



Sarra Bousnina

3rd year AI Software Engineering Student

✉️ sarra.bousnina@esprit.tn

📞 +216 52 985 816

📍 Tunis, Tunisia

.linkedin.com/in/sarra-bousnina

🔗 github.com/sarrabousnina

https://sarrabousnina.github.io/

KEYWORDS

#SoftwareEngineering #AI #LearningOpportunity #Coding #Creativity #EffectiveCommunication

EDUCATION

Software Engineering

2023 – present

ESPRIT (*The Private Higher School of Engineering and Technology*)

Pre-Engineering Studies- Mathematics and Physics

2021 – 2023

IPEIN (*Preparatory Institute for Engineering Studies of Nabeul*)

Baccalaureate in Mathematics - With Honors

2020 – 2021

Pioneer High School of Hammam-Lif

PROFESSIONAL EXPERIENCE

AI Software Engineering (mahd.group)

07/2025 – 08/2025

Interned at Mahd.Group , developing **CorrectMeAI**, an AI-powered web app for automated exam correction.

Software Engineering Internship (CTAMA Insurance) ↗

07/2024 – 08/2024

MyCTAMA Insurance App – Mobile app (C#, XAML, .NET MAUI) for news, quotes, claims, and agency locations in Tunisia.

ACADEMIC & PERSONAL PROJECTS

InspireAI

09/2025 – 10/2025

AI-Powered Content Studio (React, FastAPI, PostgreSQL, Groq, OpenRouter, JWT) Built a SaaS platform to generate AI-driven social media posts, Image analysis, personalized chatbot, and JWT authentication and ReAct Agent .

Web app for automated exam correction - CorrectMeAI

07/2025 – 08/2025

Developed a full-stack app (React.js, Flask, MongoDB) that integrates OCR with LLM to grade scanned exams and provide detailed feedback, and implemented a RAG + ReAct chatbot for interactive queries with memory.

Code + Cure Ai Hackathon - 1st Prize

06/2025 – 06/2025

Won 1st place at the IEEE INSAT Hackathon for “Hack for Drug Discovery,” developing **Your Lab Twin AI**, a platform that unifies automated drug discovery steps using agentic AI to accelerate research.

Time management and productivity Web App - TimeForge 01/2025 – 06/2025
1st Prize, Bal des Projets 2025 (Software Engineering) Collaborated with a team of five to build a modular app (Spring Boot, Angular, Python, MySQL) featuring screen-time analytics, distraction detection, mood analysis with DeepFace, and NLP-driven personalized advice.

ManagerApp

Built a Spring Boot + Angular desktop application with CRUD operations and advanced search for efficient employee lookup.

SKILLS

Soft Skills

Communication, Teamwork, Leadership, Problem Solving, Adaptability, Creativity

Programming languages

Python, Java, JavaScript, TypeScript, C, php, HTML, CSS

Frameworks & Libraries

Spring Boot, Angular, React JS, Symfony, .NET, JWT

Tools & Platforms

Git/GitHub, Docker, Power BI, FlutterFlow, Linux

Databases

MySQL, MongoDB, PostgreSQL

Generative AI

Agentic AI, API Integrations (groq, ollama, openrouter), Prompt Engineering, Context Engineering, RAG, Vector Databases

Languages

Arabic, English, French, Spanish

AI Frameworks

FastAPI, Flask, LangChain

CERTIFICATES

Building AI Agents with Multimodal Models - NVIDIA	06/2025
Building LLM App with Prompt Engineering - NVIDIA	06/2025
Fundamentals of Deep Learning - NVIDIA 	03/2025
The Git & Github BootCamp - Udemy 	11/2024
Supervised Machine Learning: Regression and Classification 	03/2024

ORGANISATIONS

DeepFlow - AI Club at ESPRIT	09/2024 – present
<i>Mentor</i>	
Guided participants in ML workshops, resolving technical issues and providing hands-on model support.	
DeepFlow - AI Club at ESPRIT	09/2023 – 09/2024
<i>Member</i>	
• Assisted in machine learning and deep learning workshops.	
IEEE - Student Branch at ESPRIT	09/2023 – 06/2024
<i>Member</i>	
• Assisted in different programming related workshops.	
Robo'pein	10/2021 – 09/2022
<i>Finance Member</i>	
• Managed club budgets, tracked income and expenses, and prepared financial reports.	