



# 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)

## 💼 PROFESSIONAL EXPERIENCE

**AI Software Engineering** 07/2025 – 08/2025  
mahd.group  
Interned at Mahd.Group 📍, developing **CorrectMeAI**, an AI-powered web app for automated exam correction.

**Software Engineering Internship** 07/2024 – 08/2024  
CTAMA Insurance 📍  
**MyCTAMA Insurance App** – Mobile app (C#, XAML, .NET MAUI) for news, quotes, claims, and agency locations in Tunisia.

## 📁 ACADEMIC & PERSONAL PROJECTS

**InspireAI** 09/2025 – Present  
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.

**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

<b>Soft Skills</b> Communication, Teamwork, Leadership, Problem Solving, Adaptability, Creativity	<b>Programming languages</b> Python, Java, JavaScript, TypeScript, C, php, HTML, CSS
<b>Frameworks &amp; Libraries</b> Spring Boot, Angular,React JS, Symfony, .NET	<b>Tools &amp; Platforms</b> Git/GitHub, Docker,FlutterFlow,Linux
<b>Databases</b> MySQL , MongoDB , PostgreSQL	<b>AI/ML tools</b> TensorFlow, PyTorch, Ollama ,OpenRouter
<b>Languages</b> Arabic, English, Frensh, Spanish	

## 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
Scrum Fundamentals Certified - SCRUMstudy	12/2024
The Git & Github BootCamp - Udemy	11/2024
Supervised Machine Learning: Regression and Classification	03/2024

## ORGANISATIONS

<b>DeepFlow - AI Club at ESPRIT</b> <i>Mentor</i> Guided participants in ML workshops, resolving technical issues and providing hands-on model support.	09/2024 – present
<b>DeepFlow - AI Club at ESPRIT</b> <i>Member</i> <ul style="list-style-type: none"><li>Assisted in machine learning and deep learning workshops.</li></ul>	09/2023 – 09/2024
<b>IEEE - Student Branch at ESPRIT</b> <i>Member</i> <ul style="list-style-type: none"><li>Assisted in different programming related workshops.</li></ul>	09/2023 – 06/2024
<b>Robo'pein</b> <i>Finance Member</i> <ul style="list-style-type: none"><li>Managed club budgets, tracked income and expenses, and prepared financial reports.</li></ul>	10/2021 – 09/2022

## INTERESTS

• Coding	• AI/DL
• Logistics & Event Planning	• Arts & Creativity