



# Sarra Bousnina

3rd year AI Software Engineering Student

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## KEYWORDS

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

## EDUCATION

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### 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

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### 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

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### 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

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### 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

### 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

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**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

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**DeepFlow - AI Club at ESPRIT**

09/2024 – present

*Mentor*

Guided participants in ML workshops, resolving technical issues and providing hands-on model support.

**DeepFlow - AI Club at ESPRIT**

09/2023 – 09/2024

*Member*

- Assisted in machine learning and deep learning workshops.

**IEEE - Student Branch at ESPRIT**

09/2023 – 06/2024

*Member*

- Assisted in different programming related workshops.

**Robo'pein**

10/2021 – 09/2022

*Finance Member*

- Managed club budgets, tracked income and expenses, and prepared financial reports.

## INTERESTS

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- Coding
- AI/DL

- Logistics & Event Planning

- Arts & Creativity