Nesrin BRAHIM

Telecommunication Engineer

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📍 Mahdia, Tunisia   *i* Born on March the 6th 2000

A motivated freshly graduated telecommunication Engineer, passionate about Artificial Intelligence and eager to further explore and excel in this dynamic field. My enthusiasm drives me to continually seek opportunities to expand my knowledge and skills, making a meaningful contribution to the ever-evolving world of AI.

🎓 Education

September 2024	Telecommunications Engineering Degree - National School of Electronics and Telecommunications (ENET'Com)
June 2021	Pre-engineering Studies - Preparatory Institute of Engineering studies of Monastir (IPEIM)

🧑‍🔬 Skills

Programming Languages	Python, Java, JavaScript, TypeScript, C
Web Development	HTML, CSS, JavaScript, TypeScript, Angular, Flask, SpringBoot
Data Science	Data Analysis, Data Visualization, Data Preprocessing, Machine Learning
LLMs	Retrieval-Augmented Generation (RAG), Prompt Design, Prompt Engineering
Soft Skills	Teamwork, Organization, Communication, Leadership, Fast Learner

💼 Projects and Professional Experience

February 2024 - September 2024	**Graduation Project**: SAiPro - SAP specialized AI consultant (www.saipro.de) *Nach Deutschland* Development of an AI-powered platform specialized in SAP, designed to assist SAP users and consultants with information retrieval and troubleshooting. • Application Design: Using UML • Backend Development: Using Flask. • Frontend Implementation: Using Angular. • Application deployment in AWS. • Use of perplexity API for response generation. • LLM performance enhancement using prompt engineering and RAG. **Technology used**: Angular, Flask, Python, MySQL, LLM, Prompt Engineering, RAG, AWS, Cloudflare

June 2023 **- August 2023**	**Summer Internship**: *Artibedded* Developing Lage Language Models to Generate Farming Recommendations. • Performed prompt design and engineering • Synthetic Data generation, Structuring, Cleaning, Analysis and Visualization. • empowered the Large Language Model (LLM) by modifying its architecture, tuning its parameters, and training data to respond to specific agricultural queries. **Technology used**: LLM, prompt engineering, Data visualization, Data Analysis, Python programming
May 2023 **- July 2023**	**Internship**: *The Sparks Foundation* Building Machine Learning Models. • Data Visualization. • Data Preprocessing. • Building Prediction and classification models. **Technology used**: Pandas, SickitLearn, Matplotlib, Seaborn, Numpy, Python Programming, Machine Learning
January 2023 **- May2023**	**End-of-the-year project**: *National School of Electronics and Telecommunications of Sfax* Implementation of an Object Detection AI model on a Raspberry Pi4. • Set up the Raspberry Pi 4 and connected camera module. • Processed images and video streams using OpenCV. • Implemented a pre-trained image recognition model for efficient object detection. **Technology used**: OpenCV, Tensorflow Lite, Raspberry Pi4
June 2022 **- July 2022**	**Summer Internship**: Tunisie Telecom (ROC Mahdia) • Telecommunication Network Architecture in Tunisia. • Optic Fibers. • Migration to IPMSAN.

✌ Achievements

December 2022	4th place in "Les ailes" aeromodelism competition *– City of Sciences Tunis*
April 2023	2nd Place in Hackathon'23: Smart Solutions for the Automotive Sector *– Digital Research Center of Sfax*

Languages

Arabic: Native
French: Intermediate
English: Full Professional proficiency

Hobbies

• Astronomy & Astrophysics
• Stargazing
• Drawing & Sketching