



Siwar Taktak

Student (M.Sc. Data Science) Philipps-Universität Marburg

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Portfolio: <https://siwar-taktak-portfolio.netlify.app/>

Github: <https://github.com/Siwartaktak>

Profile

I am a 3rd-year **Data Science Engineering student (International Class)** at ESPRIT (Higher School of Engineering and Technology) and an **exchange student** currently enrolled at Philipps-Universität Marburg.

Dynamic and motivated student with a strong foundation in **machine learning** and data engineering, eager to leverage cutting-edge skills in **Large Language Models** and **AI agents**. Passionate about driving innovative solutions and enhancing AI capabilities through hands-on experience and collaboration in a fast-paced environment.

Professional Experience

06/2025 – 08/2025
ESPRIT, Tunisia

Summer Internship (Engineering Internship)

- Developed and implemented clustering algorithms in Python to form balanced and heterogeneous student groups based on GPA, skills, learning styles, and interests.
- Created and maintained backend workflows and Jupyter notebooks for data processing, algorithm testing, and performance evaluation.
- Integrated machine learning outputs with the web application, supporting gamification features to enhance student engagement and learning outcomes.

07/2024 – 09/2024
Prologic, Tunisia

Summer Internship (Company immersion)

- Analyzed and visualized data to support strategic decision-making across departments.
- Gained hands-on experience in data management, reporting, and the use of BI tools.
- Assisted in the centralization of data from multiple applications (GLPI and PMA) and helped design a dashboard to monitor key performance indicators.

07/2022 – 08/2022
Bank Of Tunisia

Summer Internship (Observation)

- Prepared branch backup servers and automated the reinstallation of operating systems.
- Installed and configured essential software, including Microsoft Deployment Toolkit (MDT) and System Center Configuration Manager 2012 SCCM 2012.
- Performed BIOS configuration to enable operating system installation via network (PXE boot).

Education

10/2025 – Present
Marburg, Germany

Exchange Student (M.Sc. Data Science)

Philipps-Universität Marburg

09/2021 – Present
Tunisia

Final Year Data Science Student

ESPRIT – Private Higher School of Engineering and Technology (Tunisia)

01/2017 – 07/2021
Tunisia

Baccalaureate in Mathematics

L'Aouina High School

Skills

Soft skills

Creativity & Motivation
Problem Solving & Critical Thinking
Communication & Team Collaboration
Time Management & Multitasking

Hard Skills

Python Programming
Machine Learning & AI (Scikit-learn, PyTorch, TensorFlow)
Data Analysis & Feature Engineering (Pandas, Matplotlib)
LLM & AI Agents (LangChain, Hugging Face, OpenAI APIs)
Containerization & CI/CD (Docker, Git, GitHub, Kubernetes)
Databases & BI Tools (MySQL, Power BI)

Languages

Arabic



English



Advanced C2

French
B2



Certificates

Nvidia: Building Transformer-Based Natural Language Processing Applications Course. | Fundamentals of Deep Learning.

DataScientist.fr: Introduction à Docker. | Introduction au RAG avec LangChain. | Fondamentaux Kubernetes.

AWS Academy: Certificate of Completion for | AWS Academy Graduate - Cloud Foundations - Training Badge

National Microsoft Technologies Camp (NMTC) 4th edition 2023: Certificate of participation. | AI & Microsoft Technologies conference certificate (Mariem Kharrat) | MLOPS and Autonomous Telecommunications by Orange Tunisia.

Coursera: Emotional and Social Intelligence