mohamed el hedi souissi

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💼 PROFESSIONAL EXPERIENCE

06/2023 – 08/2023
berlin, germany

greentech ↗
greentech training internship
- Led Decarbonizer Task Force, demonstrating strong leadership and organizational skills through **Scrum** methodology.
- Automated Python **web scraping** for data acquisition across five countries, extracting **over 400** job listings per country..
- Conducted thorough **data analysis** to categorize and classify job titles.
- Addressed challenges related to data quality and normalization during codex development.
- Effectively managed project timelines, resources, and deliverables, surpassing stakeholder expectations by completing the codex project 20% ahead of schedule.
- Produced valuable resource benefiting job seekers and employers in the green sector.

🎓 EDUCATION

2019 – 2020
baccalauréat sciences techniques
Lycée Mohamed Boudhina Hammamet

2020 – 2022
cycle preparatoire

2022 – 2023
1ère année cycle ingénieur
ESPRIT

2023 – 2024
2ème année cycle ingénieur
ESPRIT

🧠 SKILLS

Python (TensorFlow)   c++   javascript   node js   django   java   Pytorch

scikit-learn   power BI   codenameone   mysql   sqlite   oracle pl/sql   R

Machine Learning   Deep Learning   Data Analysis   Problem-Solving

Natural Language Processing (NLP)   Computer Vision   Neural Network Architectures

big data   prompt engineering   rag   langchain

🌐 LANGUAGES

**english** ● ● ● ● ●
c1

french ● ● ● ● ○
B2

🏠 ORGANIZATIONS

deepflow ↗
member of deepflow club of artificial intelligence

IEEE

🎖 AWARDS

2022 **inter class english competition**
second place in the inter-class English competition

2023 **machine learning hackathon** ⧉
zindi

2024 **CISolution Hackathon** ⧉
CISolution
1st place in the CISolution Machine Learning Regression Challenge Hackathon

📇 CERTIFICATES

- Nvidia Fundamentals of Deep Learning ⧉
- Nvidia Getting Started with Deep Learning ⧉
- Machine Learning with Python (with Honors) ⧉
- Chatbot with Rasa and Python ⧉
- Neural Networks and Deep Learning ⧉
- IBM data science specialization ⧉
- Building Real-Time Video AI Applications ⧉
- Data Analysis with Python ⧉
- Introduction to Transformer-Based Natural Language Processing ⧉
- google Data Analysis with R Programming ⧉
- Disaster Risk Monitoring Using Satellite Imagery
- Python Project for Data Science ⧉
- Getting Started with AI on Jetson Nano ⧉

📁 PROJECTS

2022 **BI machine learning project** ⧉
- Collaborated on team for data analytics/predictive modeling at Global Superstore
- Utilized **SSIS/SSAS** for **ETL**, created **OLAP** cube for efficient data management
- Deployed predictive model using Django on AWS EC2 for scalability
- Analyzed data with **Python**, applied **ML algorithms** for profit prediction
- Visualized insights with **Power BI**

2023 **deep learning chatbot for Esprit administration**
- Collaborated with the administration of my school to design and implement a chatbot using the **Rasa framework** to answer common student questions related to the school's policies and procedures

2024 **Robotics Project - Simulated Football Match with Computer Vision**
- Computer Vision and Image Processing: Developed algorithms using **OpenCV** for QR code detection, robot localization, and ball tracking.
- Real-time Tracking: Employed real-time tracking techniques to monitor and update robot and ball coordinates during the simulation.

2024 **FIKO- AI driving assistant** ⧉
- Co-developed "Fiko," a Multimodal AI Driving Assistant for estimating driver fatigue using facial and head positions.
- Utilized hybrid learning models to predict fatigue percentage.
- Engage alerts based on these predictions, such as sound and visual alerts, and guide the user using GPS to the nearest rest stop for their safety.

2024 **ODDO BHF Securities Chatbot Project**
- Developed a financial chatbot for **ODDO BHF**, a leading French financial services company.
- Implemented Retrieval-Augmented Generation (**RAG**) and **fine-tuning** techniques.
- Utilized **Mistral** (LLM) for accurate and effective financial interactions.
- Enhanced client engagement and operational efficiency.