Chedi TRABELSI

📍 Sfax, Tunisia — ✉ trabelsichedi02@gmail.com — 📞 +216 27900909 — 🔗 Chedi Trabelsi

Profile

Final-year **data engineering student** with a strong academic background and a deep interest in data science and analytics. My primary motivation lies in leveraging data-driven approaches to extract insights and drive informed decisions. I am actively seeking an internship opportunity that will allow me to apply and further develop my technical and analytical skills within a professional and challenging environment.

Education

Faculty of Sciences of Sfax — 2021 – Present
Engineering Degree in Data Engineering
Integrated Preparatory Cycle

Habib Maazoun High School, Tunisia, Sfax — 2017 – 2021
Baccalaureate in Mathematics – High Honors

Professional Experience

Data Science Intern — Jul – Aug 2025
Poulina Group Holding (PGH) , Tunis
- Designed an LLM agent with LangChain to provide insights on DAX measures (KPIs) and dashboard visualizations.
- Implemented a dashboard recommendation system based on project requirement documents.
- Built the application using FastAPI (backend) and React (frontend).

Data Science Intern — Jun – Jul 2024
Sagemcom Tunisie , Tunis
- Participated in the design of an intelligent decision support system for software validation.
- Built a multi-agent system with LangChain, integrating LLMs to analyze code changes and recommend relevant tests.

Business Intelligence Intern — Jun – Jul 2023
All Soft Multimedia , Sfax
- Developed an interactive dashboard using Power BI for analyzing sales and cash flow in a cafe/restaurant.

Academic Projects

Automatic Recognition of Tunisian License Plates — Oct – Dec 2025
- Developed image segmentation and classification models for license plate detection.
- Implemented OCR (Tesseract/Deep Learning) for character recognition, achieving high accuracy.

LLM Fusion for Biomedical Question Answering – Final Year Project — Feb – May 2025
- Designed a biomedical question-answering system based on Large Language Models (LLMs).
- Used MergeKit to merge two models (mistral-ft-optimized-1218 and BioMistral-7B) to create a more performant model.

Advanced football data analysis application — April 2025
- Conducted exploratory data analysis to uncover correlations between performance metrics.
- Built machine learning models to detect underrated players and identify similar players based on custom metrics.

Associative Experience

Human Resources Manager – Google Developer Student Club	Sep 2024 – Jun 2025
Logistics and Sponsorship Manager - Google Developer Student Club	Sep 2023 – Jun 2024

Skills

Programming Languages : Python, Java, C++
Frameworks & Libraries : FastAPI, React, LangChain, Pandas, Scikit-learn, TensorFlow, PyTorch
Big Data & Databases : Hadoop, Spark, Hive, Kafka, MySQL, PostgreSQL, SQL Server
Data Science & IA : Machine Learning, Deep Learning, NLP, LLMs, Computer Vision
Tools & DevOps : Git/GitHub, Docker, Jenkins, Ansible, Kubernetes

Languages

Arabic: Natif   **French**: Fluent   **English**: Fluent (C1, TOEIC certified)