

Chedi TRABELSI

📍 Sfax, Tunisia — ✉ trabelsichedi02@gmail.com — ☎ +216 27900909 — [in](#) 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, particularly in the field of football, which is a long-standing personal passion. 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 Internship	Jul – Aug 2025
<i>Poulina Group Holding (PGH) , Tunis</i>	

- 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 (context and DAX measures analysis).
- Built the application using FastAPI (backend) and React (frontend).

Data Science Internship	Jun – Jul 2024
<i>Sagemcom Tunisie , Tunis</i>	

- Participated in the design of an intelligent decision support system for software validation.
- Developed a multi-agent system based on the LangChain framework, integrating LLM (Large Language Models) to analyze code changes and recommend relevant tests.

Business Intelligence Internship	Jun – Jul 2023
<i>All Soft Multimedia , Sfax</i>	

- Design of an interactive dashboard using Power BI for analyzing sales and cash flow in a cafe/restaurant.

Academic Projects

LLM Fusion for Biomedical Question Answering – Final Year Project	Feb – May 2025
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- Designed a biomedical question-answering system based on Large Language Models (LLMs).
- Used MergeKit to merge two models (mistral-7b-instruct-v0.2 and BioMistral-7B) to create a more performant model.
- Evaluated the merged model on the BioASQ 12B benchmark using BLEU and ROUGE metrics.

Advanced football data analysis application	April 2025
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- Exploratory Data Analysis (EDA) to identify correlations between different performance metrics.
- Detection of underrated players using machine learning models (clustering, regression, similarity).
- Development of a Streamlit application to Display detailed statistics for a selected player , Identify and compare similar players based on user-selected metrics

Bank Fraud Detection using Machine Learning	Nov 2024
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- Prepared and explored a simulated dataset of banking transactions.
- Trained and evaluated several classification models (Random Forest, XGBoost, SVM) with appropriate 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

Languages

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