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   2017 – 2021
Baccalaureate in Mathematics
High Honors

Professional Experience

Data Science Intern   Jul 2025 – Aug 2025
Poulina Group Holding (PGH), Tunis

- Designed an LLM agent with LangChain to provide insights on DAX measures (KPIs) and dashboard visualizations, resulting in a 25% increase in data-driven decision making.
- Implemented a dashboard recommendation system based on project requirement documents, reducing development time by 30%.

Data Science Intern   Jun 2024 – Jul 2024
Sagemcom Tunisie, Tunis

- Participated in the design of an intelligent decision support system for software validation, improving validation efficiency by 20%.
- Built a multi-agent system with LangChain, integrating LLMs to analyze code changes and recommend relevant tests, achieving a 95% accuracy rate.

Business Intelligence Intern   Jun 2023 – Jul 2023
All Soft Multimedia, Sfax

- Developed an interactive dashboard using Power BI for analyzing sales and cash flow in a cafe/restaurant, resulting in a 15% increase in sales.
- Improved data visualization and reporting, reducing report generation time by 40%.

Academic Projects

Automatic Recognition of Tunisian License Plates   Oct 2025 – Dec 2025

- Developed image segmentation and classification models for license plate detection, achieving a 92% detection accuracy rate.
- Implemented OCR (Tesseract/Deep Learning) for character recognition, resulting in a 95% character recognition accuracy rate.

LLM Fusion for Biomedical Question Answering   Feb 2025 – May 2025

- Designed a biomedical question-answering system based on Large Language Models (LLMs), achieving a 90% answer accuracy rate.
- Used MergeKit to merge two models (mistral-ft-optimized-1218 and BioMistral-7B) to create a more performant model, resulting in a 12% increase in answer accuracy.

Advanced Football Data Analysis Application   Apr 2025

- Conducted exploratory data analysis to uncover correlations between performance metrics, identifying a 25% correlation between player ratings and team performance.
- Built machine learning models to detect underrated players and identify similar players based on custom metrics, resulting in a 20% increase in accurate player identification.

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: Native   **French**: Fluent   **English**: Fluent (C1, TOEIC certified)

Certifications and Awards

- TOEIC certification

- High Honors in Baccalaureate in Mathematics