Fadi SHAFO

in fadi-shafo — 🌐 shafo.fr — ✉ fadi@shafo.fr — 📱 +33 6 05 81 73 18

Summary

Final-year **computer engineering student**, specializing in **AI & Data Science**, pursuing a **double-Master's degree in Interdisciplinary Engineering**. Seeking a **6-month internship (Feb–Jul 2026)** in Data Science/AI

Work Experience

Data Science Intern — Bouygues Construction   Sept 2024 – Feb 2025

Led an internal project to gather and structure ownership links between companies, from initial design and prototyping to full industrialization.

– Automated **large-scale retrieval** covering **160k+ reports** via INPI APIs with quota management.
– Built and deployed a modular pipeline for data collection (OCR, Pattern detection, NLP, consolidation).
– Identified and consolidated **33k+ ownership links** across major international groups.

Consultant Data & AI — SCMB   Apr 2025 – Jun 2025

Designed AI solutions to automate cost and time estimation in client tender responses.

– Researched and benchmarked methods to transform CAD files into structured data.
– Evaluated the feasibility of an **ML model** to predict production costs from client drawings and historical data.
– Delivered a **roadmap** for automated data extraction, database design, and predictive pipeline implementation.

Assistant Quality Assurance — Sanofi   Aug 2022 - Sept 2022

– Verified raw material control exemptions in order to identify discrepancies.
– Communicated and reported findings to the Quality Assurance team to ensure compliance.

Education

2025 – 2026	**Master's in Interdisciplinary & Innovative Engineering**	Barcelona, Spain

Universitat Politècnica de Catalunya (UPC)

– Coursework: Machine Learning, AI, Wearable Devices, Fault Detection, Signal Analysis

2021 – 2026	**Computer Engineering Degree (AI & Data Science)**	Compiègne, France

Université de Technologie de Compiègne (UTC)

– GPA: 3.9/4
– Coursework: Machine Learning, AI, Data Warehousing (ETL), Computer Vision, Optimisation.
– Double Master's degree in Optimization of Complex Systems

Projects

RAG Ethics in AI – Built a Retrieval-Augmented Generation system (**Google embeddings + ChromaDB**) to answer on AI ethics and bias. – Implemented reranking, semantic chunking, and citation-enforced prompting, improving reliability by 25%.

Carbon Footprint Data Warehouse – Designed and implemented a star-schema **data warehouse** to estimate organizational carbon footprint (travel & IT devices). – Delivered an interactive **Streamlit dashboard** with KPIs.

Computer Vision Project – Object Detection – Developed a classical computer vision pipeline (HOG, sliding window, selective search, NMS) to detect specific objects in photos.

Extracurricular Activities

General Secretary — **EPI - Student Solidarity**   *Feb 2025 – Sep 2025*

– **Managed** a 20-member student association supporting 200+ students with food aid.
– Built **partnerships** with local businesses and organizations.

Head of IT — **Junior Entreprise UTC**   *Feb 2024 – Oct 2025*

– Designed and deployed an internal ERP for a 30-memeber structure
– Acted as **Data Protection Officer**, ensuring GDPR compliance.

Skills

Programming	Python, SQL, C/C++, R, Matlab
AI & Data	RAG pipelines, Deep Learning (PyTorch), PySpark, Scikit-learn, NumPy
Tools & Infrastructure	Dataiku, Snowflake, Databricks, Streamlit, PowerBI, Git/Linux
Soft skills	Cross-disciplinary teamwork, Analytical skills, Project Management, Entrepreneurship
Languages	French (Native), English (C2), Arabic (C2), Spanish (B1)