HAJER MABROUK

Final-year engineering student and Master's student

Seeking a 6-month end-of-studies internship as a Data Scientist

CONTACT

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📍 France

SKILLS

- **Languages & Tools:** Python, SQL, Java, C, C++, Scala, Bash, Linux, Google Sheets, Qlik, Skywise, SAP BI/BW
- **Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, NLP (spaCy, HuggingFace), Deep Learning, LLMs, Predictive Modeling, Classification, Clustering, Statistics, Regression
- **MLOps & Big Data:** Docker, Git/GitHub, GitLab CI/CD, PySpark, Hadoop, ETL Pipelines, Data Management, Data Governance, Kubernetes, Helm, Ansible, Monitoring, Nifi, Elasticsearch, Kibana
- **Visualization & Analytics:** Power BI, Tableau, Plotly, Matplotlib, Seaborn, Jupyter Notebook, Interactive Dashboards, Automated Reporting
- **Work Methods:** Agile / Scrum

CERTIFICATIONS

- Applications of AI for Anomaly Detection – NVIDIA, May 2025
- Deep Learning with TensorFlow 2 – 365 Data Science, Nov 2024
- Python Essentials 1 – Cisco Networking Academy, Oct 2024
- CCNA: Switching, Routing, and Wireless Essentials – Cisco Networking Academy, 2024

LANGUAGES

- French
- English
- Arabic

PROFILE

Final-year engineering student in Computer Science, majoring in Data Science, currently pursuing a Master's degree (MS2D – Management of Digital and Data Solutions, RNCP Level 7) at 3iL Engineering School. Passionate about applied data science, digital transformation, predictive modeling, and AI systems.
Seeking a 6-month end-of-studies internship as a Data Scientist to contribute to high-impact projects.

PROFESSIONAL EXPERIENCE

Data Science Intern | Vermeg – Tunis, Tunisia | June 2025 – August 2025
- Analyzed and preprocessed complex medical datasets (UCI – Myocardial Infarction Complications).
- Designed classification and deep learning models (TensorFlow, Scikit-learn).
- Deployed an interactive dashboard for decision support.
  Tools & Technologies: Python, Pandas, TensorFlow, Streamlit, Power BI

Web & Data Development Intern | Compagnie des Phosphates de Gafsa – Tunisia | July 2024
- Developed an employee management system integrating data collection and reporting features.
- Implemented statistical visualizations and dynamic dashboards.
  Tools & Technologies: Laravel, Bootstrap, Python, Pandas

Information Systems Intern | Tunisie Télécom – Tunisia | July 2022
- Managed and analyzed customer records, prepared performance reports.
- Gained familiarity with internal information systems and databases.
  Tools & Technologies: Python, Excel, SQL

ACADEMIC PROJECTS

- **Skylytics – Flight Delay Prediction (2025)**
 Big Data / Data Science project: real-time ingestion (OpenSky & AviationStack APIs), Data Lake architecture (Bronze/Silver/Gold), Spark/Kafka processing, Power BI visualization, and ML delay prediction model.
- **Advanced Statistical Modeling in Industry**–Dependency analysis between operational variables and gas emissions using regression, correlation, and statistical testing for process optimization.
- **Distributed Decision System :** Developed a system combining Edge and Cloud computing for data analysis (Python, TensorFlow, Linux).
- **DOXARIA – Health & Insurance :** Extraction, classification, and prediction of handwritten medical documents (YOLOv5, TrOCR) + AI chatbot (LLaMA, RoBERTa).
- **Deep Learning – VAE & Diffusion :**Generated emotional audio data (EmoDB, RAVDESS) using TensorFlow.
- **Customer Churn Prediction :** Modeled churn prediction using Scikit-learn, Random Forest, and XGBoost.
- **World Cup Dashboard :**Created interactive Power BI dashboards for sports analytics (World Cup 2022).

EDUCATION

2025 – 2026 : Master's Degree (MS2D) – Management of Digital and Data Solutions, 3iL Engineering School, Limoges (France)
2021 – 2026 : Engineering Cycle in Computer Science – Specialization in Data Science, ESPRIT, Tunisia
2021 : Experimental Sciences Baccalaureate – Avicenne Private High School, Tunisia