FIRAS SAKLI

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SUMMARY

Entry-level Data Scientist and Analytics Engineer with hands-on experience building end-to-end analytics platforms using Python, SQL, Microsoft Azure, and Power BI. Strong focus on interpretable machine learning, data engineering, and business-facing dashboards. Currently pursuing a Master's in Web and Data Science.

SKILLS

Programming & Querying	Python, SQL, JavaScript, TypeScript
Data Engineering & Cloud	ETL Pipelines, Azure Data Lake Gen2, Azure Synapse Serverless SQL, Airflow
Machine Learning	Logistic Regression, Random Forest, XGBoost, Feature Engineering, Model Evaluation
BI & Analytics	Power BI (DirectQuery, DAX), KPI Design, Data Visualization
Backend & APIs	FastAPI, REST APIs, HTTP, JSON, Node.js
Databases	PostgreSQL, SQLite, MongoDB
DevOps & Systems	Linux, Bash, Git, Docker

EXPERIENCE

Web Developer Intern Jan 2023 – May 2023
Carthage Solutions Monastir, Tunisia

- Developed backend services and web interfaces using Python, JavaScript, React, and Node.js.
- Integrated REST APIs and processed structured data exchanged via HTTP and JSON.
- Worked in a Linux-based development environment using Git and containerized workflows.
- Collaborated in an Agile team, contributing to feature development and testing.

PROJECTS

Enterprise Customer Churn Analytics Platform (Microsoft Azure) [GitHub](#)

- Designed and implemented an end-to-end churn analytics platform from raw data ingestion to executive dashboards using Microsoft Azure.
- Built a multi-layer data lake (bronze/silver/gold) with Azure Data Lake Storage Gen2 and stored analytics-ready data in Parquet format.
- Developed and compared interpretable churn prediction models (Logistic Regression, Random Forest) with business-oriented evaluation.
- Implemented a serverless analytics layer using Azure Synapse Serverless SQL with reusable SQL views over lake data.
- Connected Power BI Desktop via DirectQuery to Synapse to deliver live churn KPIs and Revenue-at-Risk insights without data duplication.

EDUCATION

M.Sc. in Web and Data Science Apr 2025 – Present
University of Koblenz, Germany

M.Sc. in Software Engineering Oct 2023 – Jun 2024
High Institute of Informatics and Mathematics, Monastir

B.Sc. in Computer Science Oct 2020 – Jun 2023
Higher Institute of Applied Science and Technology, Sousse