SEFER TASDEMIR

21 YEARS OLD - COMPUTER SCIENCE STUDENT

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ABOUT ME

As a rigorous, curious and autonomous student in a work-study program for a Bachelor of Technology in Computer Science, I am eager to put my skills in analysis, modeling and data visualization into practice within a dynamic, forward-thinking team whose values genuinely resonate with mine.

***Portfolio** : sftss.github.io | **LinkedIn** : linkedin.com/in/sefertasdemir*

SKILLS

- **Databases** (SQL & NoSQL) : PostgreSQL, SQL Server, Oracle, Neo4j, MongoDB.
- **Programming languages** : Python, R, SQL, DAX, Power Query (M), C#.
- **Data engineering** : Azure Data Factory, SSIS, SSAS (Analysis Services / Cube OLAP), Knime.
- **Data science** : Machine Learning (MLxtend), NLP (Dialogflow), modélisation de données.
- **Data visualisation** : Power BI, Excel avancé (VBA), SAP BO, Leaflet.
- **Methodologies** : UML, Git, Visual Studio, ArchiMate, Fabric, Power Automate, Office.

PROFESSIONAL EXPERIENCES

Data Analyst Apprenticeship

At Autoroutes et tunnel du Mont-Blanc, September 2025 – September 2026 (1 year)

- Development of R scripts to improve the efficiency and ensure the reliability of data transfers between Excel workbooks.
- Creation of an Excel spreadsheet using an R script with radar data to monitor network traffic.
- Design and integration of an OLAP data model, followed by the creation of a Power BI dashboard.
- Development of analytical tools in R to allow teams to visualize their key performance indicators.
- Handling internal requests by defining requirements and formatting raw data.
- Data migration from an Excel database to SQL Server.

Computer Maintenance Technician Internship

At Autoroutes et tunnel du Mont-Blanc, April - June 2025 (3 months)

- Development of automated SQL scripts to reduce query processing time.
- Creation of Power BI dashboards with a new user interface and Power Automate integration.
- Optimization of database management processes with documentation. Configuration and migration of GLPI from a Windows server to a Linux server.

ACADEMIC PROJECTS

Data Engineering and Architecture

- Design of high-volume data ETL pipelines using Azure Data Factory and SSIS.
- Design and modeling for transactional (OLTP) and analytical (OLAP) systems.

Data science and artificial intelligence

- Machine Learning and modeling, training and optimization of predictive models (regressions, neural networks, stacking via MLxtend and Knime).
- Natural Language Processing (NLP), development of intelligent conversational agents with Dialogflow for managing user requests.

Business intelligence and data visualization

- Creation of comprehensive reports and semantic models using Power BI (DAX, Power Query) to present key indicators.
- Participation in the development of web applications (Laravel) and software integrating spatial visualization tools (Leaflet).

CERTIFICATION

Master's in Computer Science – Machine Learning for Artificial Intelligence specialization
Lumière University Lyon 2, cycle 2026 – present

BUT Computer Science, specialization in data administration, management, and operations
USMB - IUT Annecy, cycle 2023 - 2026

Bac général avec mention assez bien, option mathématiques expertes
Lycée Guillaume Fichet (74130), cycle *2020 - 2023*

LANGUAGES

- French (native)
- English (professional - TOEIC B2 - 900 points)
- Turkish (native)