



Fyras Telmini (He/Him)

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Data Scientist

EDUCATIONAL BACKGROUND

ENSAE - National School of Statistics and Economic Administration 09/2021 - 03/2024

- **Engineering degree in Data Science, Statistics, and Machine Learning (Masters equivalent)**
Relevant courses: Data Analysis, Data Engineering, Statistics, Machine Learning, Generative AI, Reinforcement Learning, NLP, Computer Vision, Safety and Ethics in AI, Optimal Transport.

ENIT - National School of Engineers 09/2019 - 06/2021

- **Engineering degree in Modeling for Industry and Services (Masters equivalent - top of the class)**
- Relevant courses: C, C++, Python, Matlab, Java, Databases, SQL, Signal Processing, Time Series.

IPEIT - Preparatory Institute for Engineering Studies - Bachelor Maths / Physics 09/2017 - 06/2019

PROFESSIONAL EXPERIENCE

Data Scientist - Automated Trading via AI Agents

FREELANCE 06/2024 – Present

- Developed machine learning-based trading tools, achieving a 4% profit in high-frequency trading.

Data Scientist - Anomaly Detection in Electrical Consumption

06/2023 – 11/2023

WATTNOW wattnow.io

- Designed an ELT pipeline for 24-hour industrial electrical consumption data.
- Improved anomaly detection reliability by 20% and reduced false positive rate by 50%.

Machine Learning Engineering - Real-Time Speech Enhancement and Denoising

06/2022 – 10/2022

GREENWAVES TECHNOLOGIES greenwaves-technologies.com

- Developed 4 audio classifiers and denoisers using TensorFlow. Achieved state-of-the-art results in speech quality.

Machine Learning Engineer (Apprenticeship) - NLP for Text and Speech

03/2021 – 09/2021

ICOMPASS icompass.tn

- Trained and evaluated multiple speech enhancement models for audio data using Python.

TECHNICAL SKILLS

Programming:	Python	-	C / C++	-	SQL	-	Rust	-	Bash	-	PostgreSQL								
Technologies:	Tensorflow	-	Pytorch	-	SKlearn	-	Pandas	-	Git CI/CD	-	Docker	-	Linux	-	Flask	-	Kafka	-	MLflow
Cloud and Data :	AirFlow	-	Azure	-	AWS	-	GCP	-	DBT	-	Kubernetes								
Languages:	French (native - C2)	-	English (C1)	-	Arabic	-	German (A2)												
Soft Skills:	Effective Communication	-	Creativity	-	Autonomy	-	Critical Thinking												

PERSONAL PROJECTS

LinkedIn Job Scraper API, DevOps and Data Engineering Personal Project

01/2024

- Developed a REST API with Flask and Docker, implemented an ELT pipeline.
- Implemented PostgreSQL databases and used Kafka and Zookeeper for data flow management.

Bias-Resistant Sentiment Analysis of Text (NLP Project)

05/2023

- Implemented a pre-trained BERT tokenizer and GRU classifier, achieving 77% accuracy.

Image-to-Image Generative Model Deployment

02/2023

- Developed a Pokémon generator API with Streamlit, deployed with Docker on the cloud.

CERTIFICATIONS AND ADDITIONAL INFORMATION

- **MLOPS Specialization, Duke University** : Python Essentials for MLOps / DevOps / DataOps - CI/CD.
- **Python, Bash and SQL Essentials for Data Engineering, Duke University** : Bash scripting - PySpark.
- Winner of the ENSAE Hackathon. Participated in Hi-Paris Hackathon and Finance Game Hackathon.

Hobbies: Reading, Writing, Cinema, Painting, Camping