



**Fyras Telmini (He/Him) ML Engineer - Data Scientist - Data Engineer**  
Paris, France | 0745750738 | fyras.telmini@gmail.com | github.com/fyrastelmini | in/fyrastelmini

## EDUCATION

**École Nationale de la Statistique et de l'Administration Économique (ENSAE) - IPP** 09/2021 - 11/2023

- **Diploma of Engineering in Data Science, Statistics and Machine Learning (Masters Equivalent)**
- **Relevant Coursework:** Data Analysis , Data Engineering , Statistics , Machine Learning , Generative Models , Reinforcement Learning , NLP , Computer Vision , Safety and Ethics in A.I , Optimal Transport , GPU Programming.

**École Nationale des Ingénieurs (ENIT)** 09/2019 - 06/2021

- **Diploma of Engineering in Mathematical Modeling for Data Science and Finance (Masters Equivalent)**
- **Relevant Coursework:** C , C++ , Python , Matlab , Java , Databases , SQL , Signal Processing , Time series analysis.

**Institut Préparatoire aux Études d'Ingénieur (IPEIT)** 09/2017 - 06/2019

- **Bachelor of mathematics and physics**

## PROFESSIONAL EXPERIENCE

**Data Scientist Intern - Anomaly Detection with Variational Auto-Encoders** 06/2023 – 11/2023

WATTNOW [wattnow.io](https://wattnow.io)

- Designed and coded an end-to-end data ETL pipeline for 24-hour samples of industrial electric consumption data.
- Integrated Variational Auto-Encoders for unsupervised anomaly detection, yielding an 82% accuracy rate.

**Machine Learning Engineering Intern - Speech Enhancement with CNN** 06/2022 – 10/2022

GREENWAVES TECHNOLOGIES [greenwaves-technologies.com](https://greenwaves-technologies.com)

- Engineered 4 audio classifiers and denoisers using Tensorflow. Provided scripts for collaborative contribution.
- Elevated system performance by 5% through dataset transformation and strategic data augmentation techniques.

**Machine Learning Engineer (Part-Time) - NLP Audio Pre-processing Systems** 03/2021 – 09/2021

ICOMPASS [icompass.tn](https://icompass.tn)

- Trained and evaluated 5 speech enhancement models for audio data using Python and Signal Processing techniques.

## 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) - Arab (native).  
**Soft Skills:** Effective communication - Creativity - Autonomy - Critical Thinking.

## PERSONAL PROJECTS

**Linkedin Job Scraper API, DevOPS / Data Engineering personal project**

- Developed a REST API with Flask and Docker, using CI/CD best practices and SQL database implementation.
- Implemented an ELT Pipeline with DBT and Airflow. Used Kafka and Zookeeper for handling data streams.

**Sentiment Analysis with Attention Mechanism, NLP**

- Implemented a Pre-trained BERT tokenizer and GRU classifier architecture, yielding 77% Accuracy Score.

**Deployment of a Fine-Tuned Diffusion Model for Image to Image Processing**

- Developed a Pokémon Generator API with Streamlit, provided Dockerized Cloud Implementation.

## 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 Hackathon ENSAE. Participated in Hackathon Hi-Paris and Hackathon Finance Game.
- Winner of Hult Prize at university competition. Awarded National Scholarship of Excellence.

**Hobbies:** Reading, Writing, Cosplay, Cinema, Painting, Camping