



Akrem GOMRI

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Data scientist

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EDUCATION

•Paris-East Créteil University

Master in Artificial Intelligence and Cyber-Physical Systems (IA2S)

Since Sept 2023

Paris, France

•Higher Institute of Applied Sciences and Technology

Computer Engineering, Software Engineering

Sept 2020 - Aug 2023

Sousse, Tunisia

•Higher Institute of Applied Sciences and Technology

Preparatory Studies in Math, Physics, Computer Science

Sept 2018 - May 2020

Sousse, Tunisia

EXPERIENCE

•TotalEnergies Digital Factory

Data Scientist

Sep 2024 - March 2025

Paris, France

- Applied signal analysis and signal processing on time series data from 33 wells, each with 20 variables, recorded over a 3-year period.
- Tried different supervised and unsupervised approaches for anomaly detection using Deep Learning and Machine Learning approaches (TCNs, Tsfresh with Neural network, Variational auto-encoder, Kmeans).

•Sopra HR

Data Scientist

Feb 2023 - Jun 2023

Tunis, Tunisia

- Developed algorithms to match job descriptions with candidate CVs to improve the efficiency and accuracy of application screening.
- Implemented natural language processing (NLP) techniques to extract relevant skills and experience from CVs.

•Sama Consulting

Data Scientist

Jul 2022 - Aug 2022

Tunis, Tunisia

- Created interactive dashboards to visualize and interpret test results, public health trends, and track laboratory performance.

PERSONAL PROJECTS

•Human Activity Recognition using Video Classification

This project aims to recognize activities performed by humans from video sequences.

Feb 2024

- Several approaches were used and compared: Simple CNN, CNN + LSTM, pose detection, 3D CNN, Slow Fusion technique.
- Tools: Pytorch for pose detection and TensorFlow for the rest.

•Human Activity Recognition using Wearable Sensors

This project aims to recognize activities performed by humans from raw data collected by wearable sensors.

Jan 2024

- Extracted the dataset, then used the sliding window method to capture the pattern with a 2d CNN on the data, then used a layer using different ML approaches : Feed Forward Neural Network, SVM, Decision Tree, etc.
- tools: TensorFlow.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Javascript, Java

Development Tools: Git, Docker

Frameworks & Libraries: TensorFlow, Pytorch, React, Django

Cloud/Databases: Microsoft Azure, MongoDB, PostgreSQL

Behavioral Skills: Research-oriented, Competitive, Curious, Autonomous

Courses Taken: Probability & Statistics, Machine Learning, Deep Learning

Fields of Interest: Natural Language Processing, LLMs, Computer Vision

CERTIFICATIONS

•Professional Certificate in AI Engineering, IBM - MUST University

Link: [linkedin.com/in/akrem-gomri/details/certifications/](https://www.linkedin.com/in/akrem-gomri/details/certifications/)

May 2023 - Nov 2023

•Certificate of Achievement in Artificial Intelligence, GoMyCode - Tunis

Jun 2020 - Aug 2020