

# Dhia TURKI

Data Scientist | GIS Specialist and Geospatial Applications

Email: turki.mdhia@gmail.com Phone: +33 7 44 40 37 20 Address: Paris, France

## Profile

**GIS Specialist and Developer** with expertise in **integration, analysis, and visualization of geospatial data**. Proficient in **QGIS, ArcGIS, and web mapping technologies** (Leaflet, OpenLayers) with experience in **PostgreSQL/PostGIS**. I am eager to contribute to the development of **innovative solutions to optimize decision-making processes**.

## Skills

- **Programming Languages:** Python | JavaScript | HTML/CSS | SQL
- **GIS and Data Science:** QGIS | ArcGIS | FME | PostgreSQL/PostGIS | Leaflet
- **AI and Machine Learning:** Scikit-Learn | PyTorch
- **Cloud and Tools:** GIT | Bash | Cloud Technologies
- **Languages:** English (C2) | Arabic (C2) | Spanish (A2)

## Professional Experience

### Image Processing and AI Engineer (Remote Sensing)

Polytech Annecy Chambéry — France 02/2024–06/2024

- Developed deep learning algorithms (PyTorch) for change detection on optical and radar satellite images (accuracy: 89%).
- Optimized geospatial analyses using advanced calibration and filtering techniques (removal of anomalies: clouds, shadows).

### Data Analyst (Transport Networks)

Salzburg Research — Austria 05/2023–08/2023

- Designed a trajectory similarity algorithm in Python, reducing processing time by 50%.
- Developed an interactive visualization tool using Leaflet, facilitating transport flow analysis.

### GIS Specialist (Cadastre)

DSS COMPANY — Tunisia 10/2021–01/2022

- Digitized and integrated 300+ cadastral and CAD plans, improving data accuracy for urban planning.
- Coordinated with stakeholders and produced monitoring reports, ensuring compliance with quality standards.

### GIS Analyst (Remote Sensing)

TRE ALTAMIRA — Spain 02/2021–07/2021

- Automated active deformation zone delineation using Python scripts (time savings: 40%).
- Contributed to the analysis of hundreds of gigabytes of radar data across four ground stability monitoring projects.

## Education

### Master's Degree — Geo-Informatics & Geo-Data Science

Paris Lodron University of Salzburg & Université Bretagne Sud 2022–2024  
Erasmus Mundus Scholarship (5% acceptance rate) | Specialization in remote sensing and geospatial machine learning

### Master's Degree — Cartography and GIS

Eötvös Loránd University 2019–2021  
Specialization in geospatial data analysis and visualization | GPA: 4.8/5

### Engineering Degree — Geological and Earth Sciences

University of Tunis-Manar 2015–2018  
Geoscience Engineering | Specialization in geotechnical engineering