

Sammy El Takriti

Data Engineer | Data & Energy Analytics

📍 Berlin, Germany

🌐 <https://sammyeltakriti.com>

Profiles

[LinkedIn](#)

[GitHub](#)

Skills

Python	Linux	Docker	GCP
SQL	Machine learning	scikit-learn	TensorFlow
pandas	NumPy	Matplotlib	Looker Studio
API	Networking	MLflow	Streamlit

Projects

Data Engineering Pipeline for Product Analytics

- Built a cloud-native pipeline (GTM → GA4 → BigQuery) with Python for daily customer data ingestion, Bronze-layer structuring, and SQL validation to centralize product and revenue analytics.

Data Engineering Pipeline with Python

- Built a Python pipeline to load ActiveCampaign marketing data into BigQuery and created a Looker Studio dashboard for real-time reporting.

Linux Infrastructure & Secure Web Platform

- Deployed a production Arch Linux server hosting a WordPress platform, implementing hardened networking (firewalling, TLS, secure SSH) and WireGuard VPN

Chords progression prediction

- Built a TensorFlow recurrent neural network to generate chord progressions from input sequences, trained on a large song dataset.

Languages

English	German	French	Spanish
Italian	Portuguese	Arabic	Dutch

Summary

Data engineer and data analyst with 10+ years of experience in quantitative analysis and modeling across energy, emissions, and sustainability domains. Skilled in building and analyzing structured datasets and developing analytical models for public and private organizations. Currently focused on applied data science, machine learning, and data engineering, with experience building end-to-end Python pipelines and mentoring 400+ students in analytics and ML programs.

Experience

Data Engineer Berlin, Germany
Freelancer 08/2025 - present

(See selected projects in the margin)

Le Wagon Berlin, Germany
Teacher in Data Science, Data Analytics and Data Engineering 01/2023 - present

- Delivered hands-on instruction in data science, data analytics, and data engineering bootcamps.
- Taught 400+ students across 30+ technical topics, including data preprocessing, feature engineering, supervised learning, and model evaluation.
- Mentored students through end-to-end analytical and machine learning projects, ensuring correct use of modeling pipelines and best practices.

SGS Berlin, Germany
Data Analyst (Market & Energy Systems) 01/2018 - 06/2022

- Built and maintained structured datasets and quantitative models on fuel quality, transportation systems, and regional market indicators across Africa, Asia, Europe, and South & Central America.
- Produced 100+ data-driven technical reports and dashboards for vehicle manufacturers and consulting teams, while managing a data-backed platform serving 500+ professional users.

The International Council on Clean Transportation Berlin, Germany & London, UK
Data Analyst (Energy & Emissions Modeling) 06/2015 - 08/2017

- Built and analyzed structured datasets and Excel-based analytical models on biofuel production, greenhouse gas emissions, and regulatory scenarios across Europe and North America to support sustainability and compliance assessments.
- Performed quantitative and comparative analysis, producing 6 peer-reviewed publications and technical reports used by policymakers and industry stakeholders ([list available here](#)).

DNV GL Venice, Italy
Greenhouse Gas Auditor & Energy System Analyst (Project Manager) 04/2012 - 03/2014

- Led international audits of renewable energy, energy efficiency, agroforestry, and airport infrastructure projects, evaluating emissions performance and regulatory compliance.

Education

Le Wagon
Bootcamp in Data Science 09/2022 - 12/2022

- Attended 9-week full-time intensive coding bootcamp to learn Data Science with Python
- Machine Learning and Deep Learning with scikit-learn, TensorFlow, pandas, NumPy, Matplotlib
- Data Products with Google Cloud Platform, MLflow, FastAPI, Streamlit, SQL, BigQuery
- Statistics with SciPy, seaborn and statsmodels

Université libre de Bruxelles & Universidad Autónoma de Madrid
MA and BA in Bioengineering, Environmental Sciences and Technologies 09/2004 - 08/2009

- Master's thesis in analytical chemistry: Oxidative properties of atmospheric plasmas

References

[LinkedIn Recommendations](#)