

Sammy El Takriti

Data Engineer | Data Analyst

📍 Berlin, Germany

🌐 <https://sammyeltakriti.com>

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.

Profiles

LinkedIn	GitHub
Profile	Sammy-Tk

Skills

Python	Linux	Docker	GCP
SQL	BigQuery	pandas	Looker Studio
dbt	scikit-learn	Machine learning	Git, GitHub
API	Networking	Streamlit	

Projects

Data Engineering Pipeline for Product Analytics

- Built a cloud-native pipeline (GTM/GA4/BigQuery) with Python for daily customer data ingestion, Bronze & Gold-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.

References

[LinkedIn Recommendations](#)

Languages

English	German	French	Spanish
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Italian	Portuguese	Arabic	Dutch
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Experience

Prowo GmbH Berlin
Data Analyst/Data engineer 05/2026 - present

- Built Python ETL pipelines to extract and process data from the Daarwin API, enabling automated datasource harvesting and structured exports.
- Containerized the full analytics stack using Docker Compose, integrating PostgreSQL and Apache Superset for storage and visualization.
- Implemented a robust API client with authentication, retries, and error handling, exporting data to JSON and CSV for downstream use.

Data Engineer Berlin, Germany
Freelancer (See selected projects in the margin) 08/2025 - present

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, covering topics such as data preprocessing, feature engineering, and machine learning workflows.
- Mentored 400+ students across 30+ topics, guiding end-to-end projects in data analysis and ML, with focus on 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 datasets and Excel models on biofuel production, greenhouse gas emissions, and regulatory scenarios for 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 09/2022 - 12/2022
Bootcamp in Data Science

- 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, SciPy, seaborn and statsmodels
- Data Products with Google Cloud Platform, MLflow, FastAPI, Streamlit, SQL, BigQuery

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

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