



# Daniel Netzl

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AI researcher & data scientist focused on building socially beneficial and sustainable technologies.

## Professional Experience

<b>Netzl Data Solutions</b> Founder	Göttlesbrunn, Austria February 2026 – Present
<b>Formunauts GmbH</b> Data Scientist, 38.5hrs/week	Vienna, Austria November 2025 – Present
<b>Siemens AG Österreich</b> Data Scientist, 30hrs/week	Vienna, Austria August 2022 – October 2025
<b>BG/BRG Keimgasse</b> Informatics High School Teacher, 15hrs/week	Mödling, Austria September 2021 – December 2022
<b>Learn4Life OG</b> Tutor in Spanish, Accounting, and Informatics	Bruck/Leitha, Austria October 2016 – June 2022

## Technical Skills

**Programming & Data:** Python, R, SQL, Bash

**Machine Learning & AI:** Generative Models, Reinforcement Learning, Transformer Models, CNNs, Autoencoders

**Data Science & Analytics:** Data Processing, Feature Engineering, Clustering, Dimensionality Reduction, Association Rules

**Explainable AI (XAI):** SHAP, Saliency Maps, Latent Space Probing, Feature Attribution

**Bioinformatics & Chemoinformatics:**  
SMILES-based Modeling, Reaction Prediction, QSAR Modeling, Binding Site Classification, Molecular Representations, RDkit, P2Rank

**Data Visualization:** Dash, Plotly, R Shiny, Power BI, Tableau, Matplotlib, Network Graphs, Amazon QuickSuite

**DevOps & Deployment:** dbt, Docker, CI/CD Pipelines, github Actions, REST APIs, Linux, Amazon Web Services

For real-world applications of these tools in 20+ diverse projects, visit [danielnetzl.com](http://danielnetzl.com)

## Education

<b>Johannes Kepler University</b> Master of Science, Artificial Intelligence	Linz/Donau, Austria October 2023 – Expected March 2026
<b>Columbia University</b> Admitted to Master of Science, Data Science	New York City, United States March 2024
<b>IMC University of Applied Sciences</b> Bachelor of Science, Informatics/Data Science (with distinction)	Krems/Donau, Austria June 2020 – June 2023

## Community Engagement & Volunteering

<b>Local Development Association</b> Board Member	Göttlesbrunn, Austria January 2025 – Present
• Leading initiatives to promote biodiversity and revitalize local green spaces.	
<b>Local Youth Club</b> Board Member & Treasurer	Göttlesbrunn, Austria January 2016 – December 2022