

Lucia Woollett (Rapanova)

Data Engineer with an MSc in CS

I have hands-on experience in data engineering, data analysis, and the broader data ecosystem with a strong foundation in Python, SQL and a keen interest in AI and LLMs.

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SKILLS

Python	Data analysis	AI/LLM	Linux/Bash	Git
SQL	Jupyter Notebook	Machine learning	Airflow	Jira
R	Pandas	Databricks	PySpark	Docker

EDUCATION

MSc Computer Science

Slovak University of Technology 2022 – 2024

- Notable courses: Neural Networks, Knowledge Discovery, Statistical Methods of Experiment Evaluation, Advanced Methods of Interactive System Design, Information Retrieval
- Thesis: “Prediction of Atomic Forces and Potential Energy Surfaces with Machine Learning Methods”
- Team Project topic: Ball Detection in Sports Videos - co-operation with Sportradar. Won second place in Team Project Cup 2023

BSc Computer Science

Slovak University of Technology 2018 – 2022

- Notable courses: Intelligent Data Analysis, Artificial Intelligence, Database Systems, Human-Computer Interaction, Data Science Programming
- Thesis: “Improving user experience on the Web”

EXPERIENCE

Data Engineer, Global Marketing

Dell Technologies 2021 – 2025 Bratislava, Slovakia

- Built an LLM pipeline for entity resolution - replaced manual deduplication with automated web evidence retrieval, improving company matching accuracy across databases, and data quality for further business needs.
- Technical lead for entity resolution project - merging company records across multiple data sources (7M+ records), building company intelligence
- Participated in a hackathon for domain validation challenges, using web search and LLM pipeline to improve domain data quality
- Communicated technical solutions and project progress to cross-functional stakeholders and leadership
- Key technologies: Greenplum, SQL, Python, Airflow, Bash, GitLab

OTHER ACTIVITIES AND PROJECTS

Django Girls

2022 & 2024

mentor and volunteer at Django Girls (PyCon, Slovakia)

Aj Ty v IT

2020 – 2024

Supported the advancement of girls in IT by volunteering with AjTyvIT. Contributed to various activities aimed at nurturing their skills and confidence while also assisting in event coordination and resource preparation. Presented at Girl’s Day.

Site Business Academy at Dell Technologies

2025

Completed 10-month development program SBA (Site Business Academy) in which I’ve gained experience in project management and executive presentations.

The Rise of the AI Engineer (DataExpert)

2026

Completed 1-week bootcamp focused on Databricks, Lakehouse architecture, Data Engineering, and Generative AI

LANGUAGES

Slovak
Mother tongue

English
Professional proficiency