

# ALISH GULUZADE

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## PROFILE

Results-driven Data Analyst and Master's student in Data Science with a solid foundation in Mathematics and hands-on experience in data analytics, business intelligence, and backend development. Strong problem-solving skills with proven ability to communicate complex data insights to non-technical stakeholders and collaborate cross-functionally to drive data-driven decision-making.

## SKILLS

<b>Programming &amp; Data:</b>	Python, SQL, Pandas, NumPy, Scikit-learn, PyTorch, NLTK, TextBlob, REST APIs
<b>Visualization &amp; BI:</b>	Power BI, Excel (Advanced), Matplotlib, Seaborn, DAX
<b>Databases &amp; ETL:</b>	SQL (queries, joins), Power Query, ETL processes, Data Cleaning, Data Migration
<b>Cloud &amp; DevOps:</b>	Azure (basic), AWS, Docker, Git/GitHub, Snowflake
<b>Analytics &amp; ML:</b>	Machine Learning, Deep Learning (CNN), NLP, Sentiment Analysis, LLM, RAG
<b>Soft Skills:</b>	Data Storytelling, Problem-Solving, Cross-functional Collaboration, Stakeholder Communication

## WORK EXPERIENCE

**Data Analyst** March 2023 – September 2023

GMZ | Ganja, Azerbaijan

- Collected, cleaned, and structured 10,000+ production records using Python (Pandas, NumPy) and SQL, improving data accuracy by 95% and migrating 50,000+ data points across manufacturing systems.
- Streamlined reporting workflows using Excel (Power Query, Pivot Tables) and Power BI, reducing manual reporting time by 40%.
- Built 3+ interactive Power BI dashboards with real-time SQL integration, enabling management to track key production KPIs with 99%+ data reliability.
- Uncovered 5+ process bottlenecks through root-cause analysis, delivering recommendations that improved production planning efficiency by 20%.
- Collaborated cross-functionally with engineers and managers to align data insights with strategic operational goals.

*Key Project: Production Efficiency Dashboard — Python · SQL · Power BI · Excel · DAX · Power Query*

## PROJECTS

### RAG Document Q&A; System — Multilingual PDF Question Answering

*Technologies: Python · LangChain · FAISS · Sentence-Transformers · Streamlit · PyMuPDF · Phi-3 / Mistral*

- Built a multilingual (Azerbaijani, Turkish, English) document Q&A; system powered by Retrieval-Augmented Generation (RAG).
- Designed 3-layer pipeline: PDF ingestion → FAISS vector store → LLM generation with source-page references and hallucination reduction.
- Deployed on HuggingFace Spaces with bilingual Streamlit UI for zero-setup use by non-technical users.

### Conversational Analytics Prototype — Regiocast

*Technologies: AWS S3 · Snowflake · Python · Streamlit · OpenAI API*

- Built end-to-end NLP pipeline processing 100% of German-language sales queries, reducing ad-hoc reporting time significantly.
- Architected 3-layer data model (RAW → CLEAN → SECURE VIEW) with LLM-generated SQL guardrails — 0 unauthorized data exposures.
- Launched self-serve Streamlit dashboard with CSV export enabling business users to access insights without SQL knowledge.

## EDUCATION

**M.Sc. Data Science** 2024 – Present

Fachhochschule Kiel, Germany

**M.Sc. Mathematics** 2019 – 2022

Mugla Sitki Kochman University, Turkey

**B.Sc. Computer Engineering** 2015 – 2019

National Aviation Academy, Azerbaijan

## CERTIFICATIONS

- IBM — What is Data Science?
- IBM — Databases and SQL for Data Science with Python
- Microsoft — Preparing Data for Analysis with Microsoft Excel
- Microsoft — Harnessing the Power of Data with Power BI
- Microsoft — Extract, Transform and Load Data in Power BI

## LANGUAGES

Azerbaijani — Native English — Advanced Russian — Fluent Turkish — Fluent German — Elementary (A1–A2)