

Emil Niyazov

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SUMMARY

Data scientist with 2+ years of experience in machine learning, analytics, and Python/SQL development. Skilled in building **data pipelines**, automation, NLP, dashboarding, and transforming text, image, and structured data into actionable insights.

EDUCATION

MSc in Data Science | [The University of Sheffield](#)

Sheffield United Kingdom | Sep 2025 – Sep 2026

BS in Computer Science | [ADA University](#)

Baku Azerbaijan | Sep 2021 – May 2025

WORK EXPERIENCE

Data Analyst | [PMD Group](#)

Baku Azerbaijan | Jun 2024 – present

- Machine Learning & NLP: Built anomaly detection and classification models on property listings and images, improving the accuracy of real estate analytics from 80% to 98%.
- Pipeline Engineering: Engineered automated pipelines for web scraping, transformation, and SQL storage, ensuring clean and reliable analytical datasets, and reduced manual review time by 5 hours/week.
- Dashboards & GIS Tools: Designed Tableau dashboards for HR and financial teams and developed an internal GIS application to enhance spatial analysis capabilities.
- Reporting & Growth: Delivered concise real estate market reports with key trends and forecasts, contributing to strategic planning while progressing from Intern to Junior and then Data Analyst.

Data Science & AI Intern | [Meridian Global Advisors](#)

London United Kingdom | Mar 2026 – Aug 2026

- Automated Data Collection: Built Python scrapers (Scrapy, Pydoll, Playwright) pulling from 40+ international news, government and multilateral sources, with per-site parsers and handling for dynamic pages and rate limits.
- Data Cleaning & Structuring: Developed a pandas processing layer for de-duplication, boilerplate and paywall stripping, language detection and country/entity tagging, normalising output into a queryable PostgreSQL corpus.
- AI Analysis & Automation: Designed the prompt architecture and output schema for an LLM stage (OpenAI API, locally hosted Ollama models) producing source-cited assessments of economic, political and geopolitical conditions across 6 countries; scheduled in Docker, replacing ~8 hours of manual research per market.

Content Analyst | [Nizami Ganjavi International Center](#)

Baku Azerbaijan | Jan 2024 – May 2024

- Strategic Research & Speech Development: Conducted in-depth research to shape impactful themes and talking points for the Secretary General's speeches at high-level international meetings.
- Event & Stakeholder Coordination: Coordinated the X and XI Global Baku Forums, managing diverse stakeholders and ensuring seamless planning and execution.
- High-Level Engagements: Participated in delegations meeting with global leaders, presidents, ministers, and senior officials, contributing to strategic activities during High-Level Meetings.

SKILLS

Technical tools: Excel, SQL, AWS, Python, NLP, ML techniques, pandas/NumPy, R, LangChain, API, Tableau, GIT, Linux, Bash, Databricks / Spark (PySpark), Statistics

Core skills: Automation, Data Analysis, Reporting, Data Modeling, Software Development, Communication

Language skills: English (fluent), Russian (fluent), German (intermediate), Azerbaijani (fluent)