

Shaig Khankishizade

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My [GitHub](#) | Portfolio Website: [shaig00.github.io](#)

SKILLS

Languages: Python, SQL, MATLAB

Libraries: Data Cleaning (Pandas, NumPy, Scikit-Learn), Data Visualisation (Matplotlib, Seaborn), Data Analysis (Scikit-Learn, statsmodels)

Databases: Microsoft SQL Server, MySQL, PostgreSQL

Dashboards: Power BI, Looker Studio

Other Tools: Jupyter Notebook, Microsoft (Excel, Word, PowerPoint), Anaconda, virtualenv, LaTeX

EXPERIENCE

Business Analyst – Economic Evaluation & Analysis Team

10/2021 - 10/2022

SOCAR Upstream Management International

Baku, Azerbaijan

- Evaluated full-cycle economic commercial properties of a given field with hydrocarbon reserves.
- Forecasted reference-year onward profitability, payback period and economic indicators i.e. WACC, NPV and IRR.
- Visualized quarterly and monthly economic project-specific data of hydrocarbon fields to report forecasts to stakeholders.
- Data entry of updated gas delivery volumes and anticipated volumes for upcoming years.

EDUCATION

Master of Science in Statistics – School of Business and Economics

10/2022 – ongoing

Humboldt University of Berlin

Berlin, Germany

- **Relevant Coursework:** Business Data Analytics, Data Mining, Machine Learning, Statistical Inference, Time series, and Volatility Analysis.

Bachelor of Science in Physics

09/2017 – 08/2021

Bilkent University

Ankara, Turkey

PROJECTS

Data Cleaning & Exploratory Data Analysis in SQL Server – [GitHub Link](#)

03/2025

Portfolio Project

- Performed **data preparation** on layoffs dataset by **removing duplicate values**, standardizing the keys, **handling missing values**, and ensuring consistency using **CTE**, **SELF JOIN**, **TRIM** etc.
- Conducted **Exploratory Data Analysis (EDA)** on preprocessed data in order to gain key insights by aggregating and ranking using **Window functions**, **GROUP BY**, and **CTEs**.

Customer Segmentation in Python – [GitHub Link](#)

12/2024

Portfolio Project

- **Visualized** mall customer data to understand the properties, data distributions of each feature and to examine gender differences.
- Conducted **K-Means** univariate and multivariate cluster analysis and evaluated performance with Elbow method.
- Identified distinct customer groups and their behaviors by plotting **optimized clustering** and use of tables.

Tools: Python (pandas, numpy, matplotlib, seaborn, scikit-learn)

Excel Data Transfer Automation

2022

Job Project

SOCAR Upstream

- Programmed an automation process in **Python** extracting daily production data from **MS Excel** and merge to annual production template using **pandas** and **openpyxl** libraries.
- Constructed **Entity Relationship Diagram (ERD)** for database and built database using **MySQL**.
- Prepared a GUI for automation program using Python Tkinter library to add multiple daily production files in drag/drop function.

LANGUAGES

English: (fluent); **German:** (proficient); **Turkish:** (fluent); **Russian:** (intermediate); **Azerbaijani:** (Mother tongue);