

Gabriela Yordanova

Data Analyst

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Skills

- SQL Server, T-SQL (SSMS) | PostgreSQL
- Python (Pandas, pyODBC)
- Git, GitHub
- VS Code
- Draw.io
- Tableau

Projects

PHARMA MARKET DATA VISUALIZATION – INTERACTIVE DASHBOARD – *Personal Project*

March 2026

- Developed an interactive **Tableau Desktop** dashboard built on the PharmaMarket EDA **PostgreSQL** database, visualizing market structure, pricing patterns, and generic competition
- Designed multiple views: **KPI strips**, **horizontal** and **vertical bars**, **packed bubbles**, **treemaps**, and **box plots**, highlighting metrics such as total medicines, dosage forms, manufacturers, and average pack prices
- Used **calculated fields** and **LOD expressions** to enable dynamic exploration across 21,708 medicines, 240 manufacturers, and 113 dosage forms
- Applied custom **color themes**, **container-based layouts**, and **card styling** to enhance readability and user experience, publishing the finished dashboard to **Tableau Public**

PHARMA MARKET EDA – EXPLORATORY DATA ANALYSIS – *Personal Project*

March 2026

- Migrated cleaned pharmaceutical data from **SQL Server** to **PostgreSQL** using a **Python** export script (**pandas**, **pyodbc**) and **COPY** statements across 9 relational tables, handling encoding, integer type conversion, and FK dependency ordering
- Conducted structured EDA across 10 modular **PostgreSQL** scripts covering magnitude, ranking, part-to-whole, and segmentation analyses on 21,708 medicines across 240 manufacturers and 113 dosage forms
- Built 3 comprehensive reporting queries using **CTEs** and **window functions** to consolidate pricing, portfolio, and indication data per generic, medicine, and manufacturer into single analytical views

PHARMA MARKET DATA CLEANING – DATA QUALITY & CLEANING – *Personal Project*

March 2026

- Utilized **T-SQL** to inspect and clean all 9 database tables, resolving 1,177 comma-parsing artifacts, 30+ encoding errors, and duplicate records
- Applied **NCHAR**, **UNICODE**, and **PATINDEX** functions to detect and repair corrupted characters including apostrophes, non-breaking spaces, and Greek symbols
- Developed a **Python** export script using **pandas** and **pyodbc** to snapshot all post-ETL tables to CSV for safe re-import into a separate clean database

PHARMA MARKET ETL – FULL ETL PIPELINE – *Personal Project*

February 2026

- Utilized **SQL Server** and **T-SQL** to build a full **ETL** pipeline, extracting, cleaning, and loading pharmaceutical data from 6 CSV source files into a structured relational database
- Designed a 9-table relational schema using **SQL Server**, covering drug classes, generics, manufacturers, dosage forms, indications, and medicines — including a many-to-many junction table with 1,608 Generic–Indication pairs
- Applied **CTEs** and **window functions** to implement multi-step parsing logic, extracting structured package and pricing data from

Work Experience

PHARMACY PROFESSIONAL – Pharmacy Balik – Balchik, Bulgaria August 2023 - May 2025

- Managed and dispensed a full range of prescription and OTC medications, maintaining accurate records and ensuring regulatory compliance across all transactions
- Advised 50+ patients daily on medications, dosage, interactions, and treatment plans, developing strong data interpretation and communication skills
- Tracked inventory, monitored stock levels, and flagged supply inconsistencies, building hands-on experience with data accuracy and record-keeping

REAL ESTATE AGENT – Various Agencies – Varna, Bulgaria December 2026 - July 2023

- Managed property listings and client databases across multiple agencies, maintaining accurate and up-to-date records for all active and closed transactions
- Analyzed local market trends and property pricing data to advise clients on buying, selling, and rental decisions
- Coordinated documentation and compliance paperwork for property transactions, developing strong attention to detail and process discipline
- Tracked and reported sales performance metrics to agency management on a regular basis

PHARMACY PROFESSIONAL – SCS Franchise AD – Varna & Sofia, Bulgaria August 2014 - November 2019

- Worked across 3 branches in Varna and Sofia, dispensing a full range of prescription and OTC medications while ensuring compliance with pharmaceutical regulations
- Built extensive knowledge of drug classifications, generics, dosage forms, and indications through daily patient-facing practice — domain expertise now directly applied to pharmaceutical data projects
- Tracked inventory levels and maintained accurate dispensing records, developing the data discipline and attention to detail central to current analytics work

Education

MBA – Varna University of Management (VUM) / Cardiff Metropolitan University – Varna, Bulgaria October 2020

Modules: Strategic Management, People & Organizations, Marketing, Accounting for Decision Makers, Management of Finance, Operations Management

PROFESSIONAL BACHELOR IN ASSISTANT-PHARMACIST – Medical University – Varna, Bulgaria November 2014