

# Viktoriia Tytarenko

*Junior Data Analyst | Burton-on-Trent, UK*

A highly motivated and analytical Computer Science graduate (First Class) with a strong foundation in data analysis, programming, and problem-solving. Proven ability to manage projects from concept to completion, using technical skills in Python, SQL, and data visualisation to derive actionable insights. A quick learner seeking a work placement to apply and expand my skills in a practical business environment, contributing to data-driven solutions across various sectors.

## Contacts

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Phone: 07551500688

Email: [titarenkoviktoria16@gmail.com](mailto:titarenkoviktoria16@gmail.com)

GitHub: <https://github.com/Toressy>

Portfolio: [https://toressy.github.io/Portfolio\\_Viktoriia/](https://toressy.github.io/Portfolio_Viktoriia/)

Kaggle: <https://www.kaggle.com/toressy>

## Skills

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**Programming & Databases:** Python (Pandas, NumPy), SQL (MySQL, MS SQL)

**Data Visualisation:** Tableau, Power BI, Excel (Advanced), Matplotlib

**BI & Reporting:** Dashboard Design, KPI Tracking, EDA, Data Cleaning

**Cloud & Platforms:** AWS (EC2, S3), API Integration, Hugging Face

## Languages

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English (Upper Intermediate) | Ukrainian (Native) | Russian (Fluent)

## Projects

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*Road Accidents Dashboard | Tableau, Data Visualisation, EDA | [\[GitHub Repo\]](#)*

Developed an interactive Tableau dashboard analysing UK road accident data to identify high-risk areas and temporal trends, demonstrating ability to translate raw data into actionable safety insights.

*Real-Time Weather Dashboard | Power BI | [\[GitHub\]](#)*

Developed a dynamic dashboard integrating external API data for real-time weather and air quality across multiple UK cities, demonstrating expertise in ETL, data visualisation, and API handling for live reporting.

*Diabetes Prediction Model | Python, Pandas, Scikit-learn | [\[Kaggle\]](#)*

Performed exploratory data analysis and built a predictive model, achieving 99.64% accuracy, showcasing strong skills in data cleaning, pattern recognition, and statistical modelling.

*Airplane Fleet Database | SQL, Data Modeling | [\[GitHub Repo\]](#)*

Designed and implemented a normalised (3NF) SQL database with automated reporting features, ensuring data integrity and usability for operational analytics.

## *Graph-Based Summariser | Python, NLP, BERT, PageRank | [GitHub]*

Engineered an NLP summarisation system leveraging SBERT and graph algorithms (PageRank), achieving a high coherence score (BERTScore: 0.892).

## Experience

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Stockroom Assistant | British Heart Foundation, Burton on Trent, UK | June 2024 – July 2024

Managed inventory data and supported operational workflows  
Developed attention to detail and time management in a fast-paced retail setting

Assistant | CHECK IN SEA, Kyiv, Ukraine | June 2021 – August 2021

Maintained client databases and ensured data accuracy  
Supported documentation and administrative coordination

## Education

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BSc Computer Science (First Class) | University of Derby, Derby, UK | 2022 – 2025

*Key Modules:* Software Development, Cloud Computing, Database Systems  
*Dissertation:* "Graph-Based Extractive Summarisation Using Transformers" – Leveraged S-BERT and PageRank to optimise summary coherence.  
*Relevant Projects:* Enterprise Database System (SQL, MS Access), Medical AI Solutions (Python, Scikit-learn)

Applied Mathematics | Taras Shevchenko National University of Kyiv, Ukraine | 2020 – 2023

Advanced studies in Discrete Mathematics, Probability Theory, and Mathematical Statistics, providing a strong foundation for data analysis.

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Available immediately. Eligible to work in the UK and open to vetting procedures.