

PROFESSIONAL SUMMARY

Computer Science student at Vizja University, specialising in Data Science. I build end-to-end data projects — from cleaning messy datasets and exploratory analysis to model training, evaluation, and clear, explainable results. Experienced with Python, SQL, and the core data science stack through six hands-on projects. Open to data science internships and junior positions.

📍 Warsaw, Poland / Istanbul, Turkey (Remote/Hybrid)

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EDUCATION

B.S. in Computer Science — Major in Artificial Intelligence and Data Science

Vizja University

Mar 2024 — Feb 2028 · GPA: 4.57 / 5.00

FEATURED PROJECTS

EconoScope / Data Analysis · EDA

212 Countries · 5 Decades · World Bank & IMF Data

- Conducted EDA on global inflation trends across 212 countries using IMF and World Bank open datasets spanning 1970–2022.
- Analysed five inflation indicators over five decades to identify long-term patterns, regional clusters and economic anomalies.
- Developed country comparisons, decade-based heatmaps and trend visualisations using Pandas, Matplotlib and Seaborn; findings published on Medium.

[GitHub](#)

ChurnGuard / Machine Learning · Classification

80.55% Accuracy · Gradient Boosting · 5-Fold CV · 7,043 Records

- Built and evaluated customer churn prediction models on 7,043 telecom records comparing Logistic Regression, Random Forest and Gradient Boosting.
- Applied 5-fold cross-validation and class-imbalance handling; Gradient Boosting achieved best accuracy of **80.55%**.
- Performed feature engineering and feature importance analysis to surface key churn drivers; results published as a Medium article.

[GitHub](#)

HousePricer / Machine Learning · Regression

R² 0.87 · Ridge Regression · 2,919 Homes · 79 Features

- Predicted house prices on the Ames Housing dataset (2,919 homes, 79 features) comparing Linear, Ridge and Random Forest regression models.
- Applied feature engineering including log-transformation of skewed targets, outlier removal and ordinal encoding of categorical variables.
- Ridge Regression achieved best generalisation with **R² 0.87** through systematic hyperparameter tuning and cross-validation.

[GitHub](#)

TECHNICAL SKILLS

Languages	Python · SQL
Machine Learning	Scikit-learn · Pandas · NumPy
Visualization	Matplotlib · Seaborn · Jupyter
NLP	NLTK · TF-IDF · Linear SVM
Databases & Tools	MySQL · SQLite · Streamlit · Git · VS Code

TECHNICAL WRITING — MEDIUM

- I Tried to Predict Customer Churn with ML — Here's What Actually Worked
[Medium](#)
- I Analysed 50 Years of Global Inflation Data — Here's What I Found
[Medium](#)

CERTIFICATIONS

- **Discovery Piscine: Introduction to Python**
42 Warsaw
- **Website Development**
Akademia Ekonomiczno-Humanistyczna w Warszawie · Navoica
- **Data Science Crash Course**
Techno Study+

LANGUAGES

- **English** *Professional Proficiency*
- **Turkish** *Native*
- **Polish** *Elementary Proficiency*
- **German** *Elementary Proficiency*