Alisa Malakhova

Academic Website, LinkedIn, Github, Kaggle

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Highly motivated and results-oriented CS student with a passion for applying machine learning and mathematics to solve real-world challenges.

Skills

- **Programming Languages:** Python, C++, SQL
- **Programming Frameworks:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn
- **Technologies:** Supervised Learning, Unsupervised Learning, Deep Learning, Weights and Biases, Git, Linux
- **Languages:** English (Fluent), Polish (Fluent), Ukrainian (Native), Russian (Native)

Projects

AI Influencer Image Classification

2024

Developed a CNN model with Accuracy Score of 0.9844

- Scraped Google Images of 6 AI Influencers
- Used openCV Cascade Classifiers to detect and crop faces
- Implemented Data Augmentation techniques to improve model robustness.
- Explored ML approach:
  - Applied feature extraction using Wavelet transform
  - Trained a Logistic Regression model with accuracy score of 0.9255
- Explored DL approach:
  - Utilized Tensorflow for data preprocessing and model building *2023*
- Created and deployed a web application

Diamond Price Prediction

Developed an XGBoost model with R^2 Score of 0.9812

- Conducted EDA and handled null values
- Utilized Feature Engineering and Ordinal Encoding
- Applied Z-score Normalization for data scaling
- Employed K Fold Cross Validation for model selection
- Created and deployed a web application

Education

Jagellonian University

BSc Computer Science (currently in 2nd year)
GPA 4.58/5.0

2022-2025

- Relevant Courses: Probability and Statistics, Databases, Mathematical Analysis

Machine Learning Specialization (Coursera)

- *Studied ML concepts:* Supervised Learning (Linear Regression, Logistic Regression, Neural Networks, Decision Trees), Unsupervised Learning (Clustering, Anomaly Detection), Recommender Systems and Reinforcement Learning *2023*