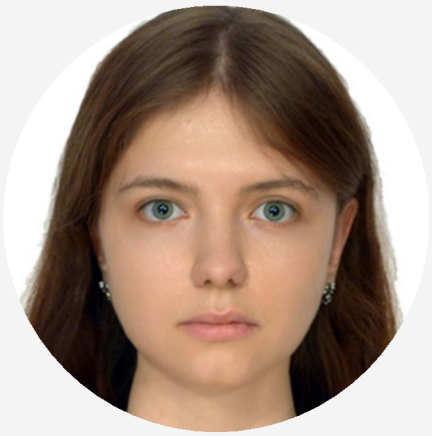

Kseniia Vaniushkina

ML Engineer&Data Scientist

CONTACT ME

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Seoul, South Korea

TECH STACK

Languages: Python
Core: NumPy, Pandas, Matplotlib, scikit-learn, tqdm, os, time, pickle, Docker
Computer Vision: OpenCV, PIL/Pillow, SciPy, MoviePy, VidGear, TerraSegmentation, TerraYolo (Ultralytics), DeepSort, EasyOCR, diffusers
Tabular ML: AutoML, AutoKeras, Keras (TensorFlow)
Time Series: TimeseriesGenerator, AutoKeras, Keras (TF), Auto-TS
NLP & Audio: HuggingFace, PT (OpenAI), Langchain, Faiss, AutoKeras, SpeechRecognition, LibROSA, PyAudio, Jiwer, Google TTS, Yandex SpeechKit
Deployment: Docker, FastAPI
Tools: Google Colab, Git

LANGUAGES

- Russian - native
- English - C1
- Korean - C1

WORK EXPERIENCE

ML Project Contributor – Terra AI & EndolainAI

2024-2025

Analyzed continuous glucose monitoring (CGM), insulin therapy, diet and activity data.
* Built LightGBM/XGBoost models with sliding window approach (RMSE ≈ 1.93, R^2 ≈ 0.38).
* Created a Telegram bot for real-time glucose prediction, online learning, and remote model updates.

project landing page

PROJECTS

Otitis Media Detection (Thesis Project)

2024

CNN-based image classifier to detect otitis from ear otoscope images.
* Input resolution: 128×128; accuracy: 88.35% on test set.

colab notebook

WiDS Datathon 2025 (Kaggle)

2025

* Predict ADHD diagnosis and sex from brain imaging and behavioral data.
* Built multi-output XGBoost classifier with SMOTE. Finished in top 35%.

EDUCATION

Artificial Intelligence Institute (Terra AI)

Certificate in Data Science, Neural Networks and AI

View Certificate

2024-2025

Coursera | DeepLearning.AI & Stanford University:

* 🏅 Machine Learning Specialization
* 🏅 Natural Language Processing Specialization

Other
* Yandex ML Bootcamp “Training 3.0”

SUMMARY

Machine Learning Engineer with experience in computer vision, time series, and natural language processing. Built and deployed ML applications for medical diagnostics, glucose prediction, and brain activity analysis. Strong academic foundation and project portfolio, including top 35% on Kaggle (WiDS 2025). Passionate about building real-world AI systems and scalable ML pipelines.