NIKITA KISIALEU

Data Science | Machine Learning

EXPERIENCE

◆ **ALFA-BANK** – ML Engineer   *December 2023 – Present*

- **Automation of Models Development**: I developed a custom module (library) that fully automates the creation of scoring models, significantly improving their quality. The automation module accelerated the data extraction, model building, and production deployment processes by more than **500 %** and improved the quality of the models by **4%** and generated **xxx k USD profit**.

- **Recurrent Neural Networks for Transaction Scoring**: Designed models utilizing LSTM and BiLSTM layers to process transactional time series data, achieving enhanced model performance and accuracy, which improved the quality of loan disbursements by **5%**.

- **Automated Model Validation and Monitoring**: Conducted comprehensive automated model validation and monitoring using **MLflow** and **Airflow,** by speeding up the process **threefold.**

- Development and implementation of **deep learning** models, including application and transaction scoring, PD estimation, anti-fraud detection, anomaly detection, and computer vision tasks using **MLflow**.

◆ **EPAM** – Data Scientist (Intership)   *June 2023 – September 2023*

- Successfully completed a comprehensive Data Science internship at EPAM, focusing on skill development through a curated combination of online courses and mentorship.

◆ **OTHER EXPERIENCE**

- **1st place in Hackathon from LESTA GAMES 🏆:** Developed a neural network prototype that generates 3D assets for game maps from text queries in minutes during a **computer vision hackathon**.

- **Reinforcement Learning Trading Bot:** I developed a Bitcoin trading bot based on **RL** principles. It leverages deep neural networks and the Actor-Critic method.

- **Skin Lesion Segmentation:** For this computer vision project, I designed and implemented a custom architecture inspired by U-Net, tailored to achieve high accuracy in segmenting skin lesions.

1.5 + years

CONTACT

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 https://www.linkedin.com/in/nkisialeu/

LANGUAGES

◆ **English (B2)**

◆ **Belarussian (native)**

◆ **Russian (native)**

EDUCATION

Belarusian State University –   *2022 – 2026*
Faculty of Applied Mathematics and
Computer Science

SKILLS

◆ **PYTHON**

- ML — PyTorch, TensorFlow, Keras, Scikit-learn
- Data Analysis — Pandas, NumPy, SciPy, Polars
- Data Visualization — Matplotlib, Seaborn, Plotly
- Hugging Face, MLflow, Airflow, Streamlit, FastAPI

◆ **GIT, GITHUB, GITLAB**

◆ **LINUX, DOCKER, AWS**

◆ **SQL, POSTGRESQL, ORACLE, MYSQL, SQLALCHEMY**