MARYIA ASTASHKEVICH

Data Science | Machine Learning

CONTACT

+375(44) 754-98-05

astashkevichmaria@gmail.com

@astashkevich_maria

https://www.linkedin.com/in/maryia-astashkevich/

EDUCATION

2022 - 2026

Belarusian State University -

Faculty of Applied Mathematics and Computer Science

SKILLS

-Python

- **Data Visualization / Analysis** : NumPy, Pandas, Matplotlib, Plotly, Seaborn
- **ML** : Scikit-learn, PyTorch, Keras, TensorFlow, XGBoost, CatBoost, LightGBM, Optuna
- **AI / LLM** : LangChain, Hugging Face, RAG (Graph RAG), LangFuse
- **MLOps & Deployment Tools**: FastAPI, REST API, Pydantic, Swagger (API Documentation), Streamlit, Docker

-Git, GitHub

-SQL, MySQL, FAISS

-Statistical Analysis, Probability Theory, Mathematical Analysis, Linear Algebra, Analytical Geometry

LANGUAGES

- English: B1
- German: C1
- Russian, Belarussian: Native

EXPERIENCE

FP Trade May 2025 - Present

ML Engineer

Logistics Automation Project

- Implemented the ML component of a logistics automation system for end-to-end document processing.
- Built a Graph RAG pipeline to model hierarchical relations between cargo categories and regulations.
- Automated classification of hazardous and phytosanitary cargo and HS code assignment.
- Applied LLMs for query completeness evaluation and adaptive retrieval using BM25 and FAISS.
- Designed a re-ranking module for relevance optimization based on dynamic thresholds.
- Developed and orchestrated the full pipeline with LangChain and integrated LangFuse for monitoring and model behavior analysis.

LLM & LangChain Internship (Mentored Project-Based Training) December 2024 - April 2025

- Hands-on experience with prompt engineering, LangChain framework, RAG systems, model fine-tuning, and LLM experiment tracking.
- Built and deployed a small AI product under mentor supervision with full assignment review.

OTHER EXPERIENCE

- **1st Place in Hackathon by Big Tech T1 :**

Developed an AI-powered customer support system with a continuous learning pipeline for efficient request handling.

- **Stock Price Prediction using Neural Networks :**

I built hybrid forecasting models combining LSTM/Transformer architectures with ARIMA and Linear Regression to predict stock price movements and conducted feature engineering using historical market data and financial indicators.

- **User Churn Prediction** (3rd Place on Leaderboard) :

Applied a stacking ensemble approach integrating CatBoost, Linear Regression, and RandomForestClassifier, achieving superior model generalization