MARK BASOV

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OBJECTIVE

Data Scientist and 4th year student at ITMO (GPA 4.7/5). Possess 4+ years of programming experience and 2+ years in data science, of which nearly a year was in a commercial capacity. Currently a Data Analyst at Polymatica. Seeking a full-time opportunity to further harness and expand my data science skills.

EDUCATION

Bachelor of Cyber Security, ITMO University — Expected Graduation: 2024
Relevant Coursework: cryptography, statistics, data storage and processing, machine learning, algorithms.

SKILLS

Machine Learning	Numpy, CatBoost/XGBoost/LightGBM, Sklearn, Optuna
Deep Learning	PyTorch, NLTK, transformers, SpaCy
Data Analysis	Pandas, Seaborn, Matplotlib, A/B testing
Other	Python, Java, C++, SQL (PostgreSQL, MySQL), Docker, AWS, Git, Linux
Spoken Languages	Russian (native), English (intermediate)

EXPERIENCE

Data Analyst — Oct 2022 - Present
Polymatica (a Softline company) — *Moscow, Russia*

- Developed and maintained a recommendation system using a three-stage regression ML model. Designed the optimization problem and supervised its code maintenance. Utilized partial dependencies and SHAP plots for result analysis.
- Enhanced the marketing communications strategy through uplift modeling. Constructed an ML model achieving positive uplift and qini scores.
- Explored autoencoder architectures for anomaly detection in time series data. Developed a package for the product, communicated with customers.

PROJECTS AND COMPETITIONS

ML Hackathon "Digital Breakthrough 2022" — Aug 2022
Collaborated with a team to develop a website allowing users to upload legal documents and classify text paragraphs using NLP. Achieved 7th place.

Chatbot for classifying toxic comments — Jul 2022
Developed an AI chatbot that identifies toxic messages and collects user behaviour data.

Vehicle detection and classification — Apr 2022 - May 2022
Created a model to detect and classify vehicles from CCTV images. Managed data collection and annotation. Achieved over 90% classification accuracy.

COURSES

- **Deep Learning School** — Sep 2021 - Mar 2022
  Covered fundamentals of ML algorithms, computer vision, and NLP.

HOBBIES

Passionate about AI advancements. Enjoys walking, museum visits, and theater outings. Engages in philosophical discussions and has a keen interest in Japanese culture.