Andrey Lukyanenko

Data Scientist

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Experience

Careem – Senior Data Scientist, May 2022 - Present, UAE, Dubai

- Implemented a robust face-recognition system to identify and block duplicate driver accounts, resulting in a 5% decrease in fraudulent activities and enhanced trust among users.
- Developed and deployed a real-time pre-authorization model for ride-hailing services with a 60% increase in precision and a reduction in customer complaints, maintaining robust performance for over one year.
- Proposed and launched an anomaly detection system for models and features, resulting in timely detection of data issues; improved overall data quality by 10%.
- Designed and created a ranking model within a two-tap module for seamless trip recommendations, resulting in increased customer satisfaction.
- Led the data science food team in enhancing the personalized recommendation engine, resulting in an increase in conversion rate.
- Communicated, presented, and influenced within multiple levels of the organization, including top management.
- Developed an AI Assistant for making restaurant bookings using GPT-4 API, Langchain and Langfuse.

MTS AI – Senior Data Scientist / Tech Lead, November 2019 - April 2022, Russia

- Led the development of **medical chat-bot project**: NER, Relation Extraction, Text Classification.
- Made an error detection tool that enhanced the quality and speed of text labeling, reduced labeling errors by 20%, and decreased analysis time by 50%.
- Introduced coding best practices, mentored 5+ colleagues, and organized weekly knowledge-sharing sessions, resulting in a 20% improvement in code efficiency and a 30% reduction in development time.
- Completed a video super-resolution project, achieving a 4x higher video resolution without visible video degradation.
- Leading CV R&D Team: prepared a tool to convert models for inference on Kneron AI chip, multi-node cluster experiments, developing a model to generate abstract book covers.

Maxima Telecom, Frumatic, OTP Bank, Tele2 April 2017 – November 2019, Russia

- Completed the following projects to improve business metrics: churn prediction, fraud detection, and look-alike models.
- Conceived an algorithm predicting the actual value of all client devices.
- Researched and created prototypes for R&D projects: customer behavior analysis based on video recordings, operator correctness analysis in the customer support dialogues, topic modeling for the categorization of customer complaints.
- Researched and implemented projects extracting user behavior patterns from raw data.
- Designed the full scope of the data science pipeline and finalized a project for predicting the probability of a customer's positive answer to a bank's cross-sell offer.
- Developed NLP-based recommendation system for articles on an online publishing platform.

ERP-system consultant, July 2012 –August 2016, Russia

- Worked in three consulting companies working in ERP-system implementation and support.
- Led project on web analytical reporting system from design to delivery. Formalized project concept and technical documentation for budgeting system. Curated the development accounting, logistics, and contract managing modules.

Education

2006 – 2012 Bachelor's, Master's degree in International Economics in Lomonosov Moscow State University

Skills

Data Science, Machine Learning, Deep Learning, Computer Vision (CV), Natural Language Processing (NLP, LLM), Data Visualization and Analysis, Python, Pytorch, LLM, Recommender System, Team Leading.

Projects and achievements

- Kaggle competition master. 1st rank in Notebook ranking, discussions grandmaster.
- Organized "EDA & Visualization" at Moscow DataFest 2019, "ML Trainings" at DataFest 2020
- Recognized with awards from the Russian ODS.ai community, including Best Speaker and Mentor, for delivering engaging and informative presentations and providing valuable guidance to fellow data scientists.
- 20+ talks on a wide range of topics topics, including CV, NLP, ML competitions, and open-source projects.

Personal

- Spanish level - B2
- German level - B1