Alexander Tereshin

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Data Analyst with expertise in experimentation and possessing a product sense. Specializing in identifying growth opportunities, I have expertise in constructing analytics infrastructure and implementing automation for operational efficiency. My skill set includes Machine Learning, which enhances my capabilities in data analysis.

SKILLS

Languages: Python, SQL, R
Python Libraries: Pandas, NumPy, Sklearn, PyTorch, FastApi, Pytest, CatBoost, XGBoost, LightGBM, Streamlit
DevOps and Workflow: Linux, Git, Docker, GitLab CI/CD, Airflow, MLFlow, S3
Web Analytics Tools:: Google Analytics, Yandex.Metrika, Google Tag Manager (GTM), HTML/CSS

EXPERIENCE

Product Analyst   Jun 2023 – Present
VseInstrumenti.ru   *Leading DIY e-commerce company in the CIS*

- Run analytics for three core products in a large e-commerce platform with 12+ million MAU;
- Led a series of 40+ online A/B tests across three product teams from MDE analysis to modelling potential uplift effects (Stratification, Delta Method, Linearization, Bootstrap, and Bucketing), resulting in 30+ new features, contributing to a $25K increase in monthly revenue;
- Achieved an 80% reduction in data analysis time for ad-hoc requests by implementing reusable ETL components using Python, Apache Airflow and Docker, which facilitated the creation of a Google Data Studio dashboard. The dashboard showcased critical metrics including website performance, cohort analysis, shopping cart activity, order checkout methods and payment processes. This pipeline served as a reporting framework for the all product teams;
- Build series of ML and SARIMAX time series forecasting models with 11% MAPE max for key product metrics such as traffic analysis and B2B revenue;
- Configured GTM to ensure precise data tracking and reporting;

Data Analyst   Jan 2023 – Jun 2023
Sportmaster   *Largest sports and outdoor retailer in Russia*

- Developed an time series forecasting model using statistical methods (SARIMA) to predict inventory losses in offline retail stores;
- Implemented a Power BI dashboard using multiple data processing pipelines to visualize potential risks related to employee safety violations in distribution centers;
- Developed a logistic regression model to gain insights into workplace injuries within the retailer's warehouses. This model utilized various factors such as employee demographics, working hours, job roles, and environmental conditions to predict the likelihood of accidents occurring;

EDUCATION

Higher School of Economic   Sep 2023 – Present
Master's degree in Machine Learning and High Load Systems

Saint Petersburg State University of Civil Aviation   Sep 2016 – Jun 2021
Bachelor's degree in Maintenance of Aircraft and Engines

PROJECTS

Optimization of Expected Return from a Stock Portfolio | *GitHub*

- Developed parsers to extract financial data and news data;
- Utilized PyTorch for generating news title embeddings;
- Trained CatBoost model to predict expected return;
- Developed FastAPI for the backend API;
- Used the aiogram framework for building the Telegram bot interface;
- Deployed the app using Docker;