Dmytro Yelchaninov

Data Scientist I

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Professional Summary

Data-driven professional with 3+ years of experience in data analysis, machine learning, and automation. Proficient in Python, SQL, and cloud-based tools, with a strong background in developing data-driven solutions to optimize processes and improve decision-making. Experienced in full-stack development using Flask and Docker, and skilled at integrating machine learning models into production environments.

Experience

Data Analyst — NorthStar Distribution (2022 - current)

- Developed and deployed an updated platform using Python and PostgreSQL to automate client data management, product tracking, and invoice handling, increasing operational efficiency and reducing manual tasks by 40%.
- Implemented automated invoicing and marketing email systems, leading to a 25% increase in customer engagement and contributing to revenue growth, while ensuring seamless system maintenance and data accessibility.

Physics Lab Associate — Saint-Petersburg State University (2018 - 2021)

- Applied statistical methods and machine learning to analyze experimental data
- Used Python for processing and visualizing data to improve analysis efficiency
- Collaborated on models to simulate physical phenomena
- Utilized tools like MATLAB and Maple for data analysis and modeling

Education

Saint-Petersburg State University — B.S. in Physics (2014 - 2018)

- Relevant courses: Linear Algebra, Probability & Statistics, Multivariable Calculus, Numerical Methods, Optimization Theory, Differential Equations.

General Assembly — Data Science Immersive course (2024)

- Completed intensive training focused on real-world applications, including hands-on projects in machine learning, data analysis, and visualization, utilizing Python, SQL, and cloud-based tools.

Projects

Darts Tracking

- Utilized OpenCV for image processing and perspective transformation, integrated YOLO for object detection to track and analyze dartboard activity with high precision.

Vision Transformer (ViT) Model

- Utilized PyTorch to implement a Vision Transformer model, achieving higher accuracy compared to CNN-based approaches in image analysis tasks.

More: https://data-science.me/

Skills

- Python, R, JS, SQL, PySpark, Numpy, Pandas, Scikit-learn, TensorFlow, PyTorch, CNNs, RNNs, Transformers, NLP, Matplotlib, Plotly, Tableau, Docker, Flask, Git, MATLAB, Maple, LabView.