SERGEEV DANIIL

ML-engineer
Moscow

ABOUT ME

ML-engineer with more than 1 year of experience. I participate in hackathons on AI, trying to improve myself. I studied Computer vision half a year and now working with NLP more.
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EDUCATION

NUST MISIS, Institute of Computer Science, Bachelor in Applied Math Moscow, *2023-2027*
Deep Learning School from MIPT - Course about DL, CV, NLP *2023-2024*
Yandex School of Data Analysis - Course about NLP *2024*
Tinkoff Education ML/DL *2021 - 2022*

SKILLS

Computer Languages	Python, C++
Fields	NLP, Computer Vision, Classical ML
Hard skills	Pandas, NumPy, PyTorch, Lightning, Scikit-learn, OpenCV, Transformers, Gensim, NLTK
Tools	Git, Windows

EXPERIENCE

IT PURPLE HACK: Forecasting the outflow of a salary client, Classical ML *March, 2024*
3 place, *DS, ML-engineer*

We selected the important features, since there were initially 1070 of them, and then we started feature engineering. The key to the solution was that we took the embeddings from the autoencoder, split them into clusters and added this as a feature. Finally, blending of catboost classifiers with stratification by target.

Talent-Match: comparison of resumes and vacancies, NLP *February, 2024*
2 place, *ML-engineer*

We parsed HeadHunter and collected a large dataset to take keywords for improvements. In the solution, we used distil-roBerta to receive embeddings and a Siamese neural network with 2 branches. We made a good model, a core that gave Recall=0.8.

AI Energy Hackathon: Photo detection system for power lines defects, CV *December, 2023*
3 place, *ML-engineer*

Developed a solution based on the YOLOv8, which turned out to be the best. We trained and tried several detection models, but choose SAHI technology for inference. We were given very little data, but thanks to Roboflow we marked up and collected a big database of images in the size of 1800 pieces. As a result, the model showed pretty good results, detecting breakdowns at a great distance.