

Vladislav Ryspayev

Location: Astana, Kazakhstan

LinkedIn | Leetcode (over 100 problems in 1 month)

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DATA SCIENTIST

I am a committed machine learning student with a solid background in mathematics, specifically **analysis and statistics**.

EDUCATION

Nazarbayev University

Bachelor of Science in Mathematics

August 2020 – Present

Astana, Kazakhstan

TECHNICAL SKILLS

Languages	: SQL, Python, HTML, CSS
Libraries	: Pandas, Numpy, Matplotlib, Scikit-Learn, Tensorflow, Django, Keras
Software	: Excel, Matlab, Mathematica

EXPERIENCE

Research Assistant

Nazarbayev University

August 2022 – September 2023

Astana, Kazakhstan

- Investigated the open problem connected with geometric meaning and applications of fractional derivatives.
- Analysed Inverse Problem in different media. Tested various machine learning models for sound source detection.
- Stack: **Python, Numpy, Matlab**

Machine Learning Engineer

SIAM, Research Department

January 2022 – March 2023

Astana, Kazakhstan

- Developed and optimized regression models using **XGBoost** to predict optimal parameters for experiments
 - * Reduced the time and cost for conducting experiments by 50
 - * Improved models to achieve >15% accuracy increase for parameter prediction
- Managed datasets using **Pandas, Scikit-Learn** to feed ML pipelines

Research Assistant

ISSAI

March 2024 – Present

Astana, Kazakhstan

- Analyzed the problem of biometric verification in a multimodal setting using transformers.
- Refactored and optimized the code for the evaluation of the model.
- Stack: **Python, Numpy, PyTorch**

PROJECTS

Dynamic Gestures Classification and Detection Assistant

- Applied MediaPipe to create an interface for recording and detecting hand coordinates using a webcam.
- Created a classification model using CatBoost for different dynamic gestures
- Stack: **Python, MediaPipe, openCV, CatBoost**

Classification of citizen's enquiries

- Analyzed and feature-engineered text messages from citizens using lemmatization and tokenization.
- Trained model for classification using **LightGBM**
- Stack: **Python, NLTK, LightGBM**

EXTRACURRICULAR EXPERIENCE

Math Olympiad Winner

Nazarbayev University

May 2022

Astana, Kazakhstan

- Won 3rd place among 25 participants in the mathematics Olympiad held by Piotr Skrzypacz. Topics: Statistics, Complex Analysis

CERTIFICATIONS

- Coursera:Supervised Machine Learning: Regression and Classification
- Coursera:Advanced Learning Algorithms