

# Alibek Aitbekov

MLOps / ML Engineer

Github: [github.com/ait-prog](https://github.com/ait-prog)

Kaggle: [kaggle.com/aitbekovalibek](https://kaggle.com/aitbekovalibek)

<https://ait-prog.github.io/mysite/>

## EDUCATION

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B.S. Statistics and Data Science, **Suleyman Demirel University** 2023-Present

## INTERNSHIP

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Back-end Intern 6/2024 – 9/2024

**MyCarDigital**, Almaty, Kazakhstan

- Developed and Improved a predictive model for estimating prices based on specific criteria.
- Performed data analysis and feature engineering for new project
- Migrated and integrated a database into a new mobile application.

**Back-end Developer (MLOps)** 6/2025 – 9/2025

**Hero's Journey**, Almaty, Kazakhstan

- Designed and implemented automated workflows (n8n) for model training and deployment
- Contributed to database development and optimization, including performance tuning and visualization using DBeaver.
- Collaborated with team to integrate MLOps principles into product pipelines

## PROJECTS

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### LLM4Web3

- LLM4Web3 is a multi-task transformer-based system for Web3 analytics. It tokenizes on-chain data (transactions, pools, bytecode) and solves six tasks with task-specific heads: fraud detection, contract classification, risk analysis, transaction explanation, price prediction, and anomaly detection.
- **Tech stack:** PyTorch, Transformers, Web3

### MultiVault

- **MultiVault** is a revolutionary blockchain platform that transforms real and digital assets into tradeable tokens, enabling fractional ownership and global liquidity. Built on Solana blockchain, it democratizes access to high-value assets through smart contracts and decentralized technology.
- **Tech stack:** Next.js, TypeScript, Tailwind CSS, Solana

### **MyBot**

- An advanced Discord bot with natural language processing, economy system, private rooms, and role management. Developing an AI-driven chatbot integrated with Discord (currently integrated on 2 servers).
- **Tech stack:** Python, discord.py, NLP, aiosqlite

### **LiteR** — Lightweight BERT/GPT-inspired Model

- Generative model (<100 MB, ~20M parameters) with PyTorch, supporting pretraining, fine-tuning, and text generation.
- **Tech stack:** PyTorch, Transformers, MLOps, Kubernetes

## **RELEVANT SKILLS**

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Python (TensorFlow, PyTorch, Pandas)

TypeScript

PostgreSQL; MongoDB

Git; Docker; Kubernetes; REST API design; CI/CD pipelines

