

AMIR ZIGANSHIN

+79625544921 ◇ Moscow, Russia

ziganshin.amir@gmail.com ◇ [@loop_poop](https://t.me/loop_poop) ◇ github.com/Dok31

OBJECTIVE

Fourth-year bachelor's student in information security at MIEM, HSE, currently working as a backend development intern at Yandex.

EDUCATION

Secondary General Education, Lyceum 131 Kazan

Bachelor of Information Security, HSE 2021 - 2025

Courses: Yandex Backend Development School, Yandex Lyceum

SKILLS

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| Technical Skills | Python, FastAPI, Postgres, Docker, Alembic, SQLAlchemy, YDB, YQL, Jinja2, S3 |
| Libraries | PyTorch, Tensorflow, Matplotlib, Seaborn, Scikit-learn, CatBoost, Numpy, Pandas, OpenCV, img2vec |

WORK EXPERIENCE

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|---|---------------------------------|
| Backend Developer | Yandex, February 2025 - Present |
| Contributed to the development of 'Sever,' an internal tool for analyzing user behavior on search engine results pages. Responsibilities included backend development, maintenance of data processing pipelines, and improving data visualization components. | |

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| Backend Development Intern | Yandex, 2024 - January 2025 |
| Developed backend services, including APIs for video and audio downloading, subtitle generation, translation, and video summarization. | |

PROJECTS

Automatic Text Description Generator for Yandex Lavka.

Developed a service for generating concise, category-specific text descriptions for products using ML pipelines and GPT models.

Embedding Watermarks in the Frequency Domain of an Image.

Implemented algorithms for embedding and extracting watermarks into the frequency domain of an image. Conducted experiments to analyze invisibility, reliability, capacity, and security.

Telegram Bot.

Created a Telegram bot to view class schedules, exams, and manage deadlines.

IDA Minor Projects.

Completed various projects from the HSE IDA Minor. Repository: [GitHub](https://github.com/Dok31)