FEDOSEY SOPHIA

Data-engineer, ML-engineer

COURSES:

Stepic

- *Advanced Python Course*

TSU

- *Data analytics*

Stepic

- *Web Scraping with Python*
- *SQL*
- *Statistics*
- *Deep Learning*

WORK EXPERIENCE:

- *Completed an internship at the School of Big Data Analysis at TSU, focusing on data analytics and processing -*
- *ML-engineer 1 year*
- *Data-engineer 1 year*

LANGUAGES:

- *English - Upper-Intermediate*

CONTACT INFORMATION:

Phone: 8-923-416-00-25

Email: s.fedosey@bk.ru

EDUCATION:

TSU   *2021 - 2026*

Faculty of Innovative Technologies
Specialization: Robotics and Artificial Intelligence

SKILLS:

- **Programming Languages:** Python
- Practical experience in web scraping using Python libraries such as requests, BeautifulSoup, and Selenium

Artificial Intelligence & Natural Language Processing:

- Applied multilingual-e5 embeddings for semantic document search and question answering.
- Engineered chunking, ranking, and prompt optimization techniques to support long-context processing in LLMs.
- Implemented retrieval-augmented generation (RAG) pipelines with Mistral 7B for document-grounded response generation.

Data Engineering & Automation:

- Built and maintained scalable ETL workflows using Apache NiFi
- Automated data pipelines and notifications through n8n, integrating with external APIs and messaging platforms like Telegram.

Database & Scripting:

- Managed data storage and query systems with PostgreSQL, including tracking user interactions and feedback.
- Developed advanced Python and Groovy scripts for data processing, embedding generation, and model orchestration.

Visualization

- building dashboards using SupersetBI