

# Nikita Shcherbak

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## Professional Summary

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NLP enthusiast with strong knowledge in calculus, probability, statistics, and linear algebra. Currently pursuing courses in Unsupervised Learning and Deep Learning at IITP. Demonstrated critical thinking, persistence, and rapid learning. Among the top 10 students in the department.

## Education

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### Bachelor's Degree

*Moscow Institute of Physics and Technology (MIPT)*

Expected Graduation: 2025

GPA: 8.69

## Courses from Institute for Information Transmission Problems

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- Introduction to Data Analysis
- Mathematical statistics
- Unsupervised Learning
- Deep Learning

## Work Experience

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### Research led by a scientific supervisor

*Institute for Information Transmission Problems (IITP)*

2023 – Present

- Conducting a research project on morphological tagging using composite labels.
- Gained experience in academic and research project management.

## Skills

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### Technical:

- Python, PyTorch, Pandas, NumPy
- Theoretical principles of machine learning
- Advanced English: technical reading and confident speaking

### Soft:

- Responsibility, critical thinking, persistence, quick learning

## Projects

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### Diploma Thesis: Morphological Tagging Using Composite Labels

- Developed a model utilizing transformer architecture to tag words based on context and sub-word information.
- Currently in the final stage: model training and result analysis.
- Refer to *Modeling Composite Labels for Neural Morphological Tagging* by Alexander Tkachenko for details.

## Additional Information

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- Completed a course on computer linguistics.
- Enthusiastic about learning new methodologies in NLP.
- Proficient in technical literature and communication, though no formal English certification.