# Polina Ivanilova
## Machine Learning Engineer
141 Glenmanor way, Thornhill

📞 +1(437)259-2174
✉ ivanilova.pv@gmail.com
⌕ GitHub Profile
in LinkedIn Profile

## EXPERIENCE

**•EVdirect** — *May 2023 - present*
*ML Engineer (Volunteer)* — Toronto, Canada
- Performed extensive data analysis utilizing Pandas and Pyplot libraries to identify and comprehend crucial factors influencing company expenses.
- Developed a Time Series Forecasting model utilizing Sktime for accurate predictions.

**•MIPT Laboratory** — *Jan. 2020 - Dec. 2020*
*University research assistant* — Moscow, Russia
- Compiled and conducted a patent research report.
- Familiarity with methods for research design, implementation, and analysis.

## EDUCATION

**•MIPT — Moscow Institute of Physics and Technology Moscow** — *Sep. 2018 - June 2022*
*B.Sc. in Computer Science and Applied Mathematics* — Moscow, Russia

## MACHINE LEARNING PROJECTS

**•Detecting Hate tweets** — *Jan 2023*
*NLP project*

- Developed a project utilizing TensorFlow, Keras, and NLTK to detect hate speech in tweets.
- Implemented the model using a labeled dataset, enabling effective identification of tweets containing hate speech versus those that do not.

**•Spam Classifier** — *Jan 2023*
*NLP project*

- This project aims to create a spam classifier using NLP techniques.
- The dataset used for this project contains a collection of SMS messages labeled as spam or ham.
- A problem solved in two ways: using length and punctuation and message text processing.
- Tools & technologies used: Scikit-learn, XGBoost, SpaCy, Re

## MACHINE LEARNING COURSES

**•Natural Language Processing specialization I** — *Jan. 2023 - Feb. 2023*

## PUBLICATIONS

**•"Newton's aerodynamic problem" (RUS)** S. Gorelov, P. Ivanilova (MIPT) — *2022*

## SKILLS

**Languages**: English (Professional working proficiency), Russian (Native)
**Programming Languages**: Python, C++, SQL
**Frameworks**: Django, Tensorflow, Keras, PyTorch, Sktime, SciKit Learn, Numpy, Pandas, Pyplot, seaborn, OpenCV, SpaCy, NLTK
**Tools**: Visual Studio Code, Git, Jupyter Notebook
**Soft Skills**: Communication, Adaptability, Teamwork, Conflict management, Organizational