CURRICULUM VITAE

PERSONAL DATA

NAME: **OLEG TINKOV**
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SUMMARY

PhD in cheminformatics, Data Scientist with 4+ years of experience building and deploying Machine learning (ML) models for classification, regression, and scoring tasks. Specialized in cheminformatics, drug discovery, financial analytics, credit risk modeling, computer vision and neural networks. Proficient in Python, SQL, and ML frameworks. Since 2020, I have been a regular reviewer in reputable international journals. To date, I have reviewed more than 40 scientific publications on the use of artificial intelligence, machine learning for drug development, and solving medical problems.

SKILLS

Programming: Python, SQL;
ML Libraries: scikit-learn, CatBoost, XGBoost, LightGBM, TensorFlow, PyTorch, SHAP;
Data: pandas, NumPy, matplotlib, seaborn;
Tools: Jupyter, Git, Streamlit, VS code, Cursor, Docker;
ML Topics: Feature engineering, model validation and interpretation;
Soft Skills: Strong analytical thinking, clear communication, team collaboration.

WORK EXPERIENCE

1) September *2020* – September *2025:* Associate professor, Department of Pharmacology and Pharmaceutical Chemistry, Faculty of Medicine, Shevchenko Transdniestria State University, Tiraspol, Moldova:

- Developed ML models for acute toxicity and antitumor activity prediction;
- Built a modular pipeline with data preprocessing, model training, and validation;
- Created web-based tool for regulatory **toxicology and antitumor activity prediction**:
  https://tox-ai-assistant.streamlit.app/
  https://hdac3-vs-assistant-v2.streamlit.app/
  https://ovttiras-hdac6-detector-hdac6-detector-app-yzh8y5.streamlit.app/
  https://ovttiras-hdac1-inhibitors-hdac1-predictor-app-z3mrbr.streamlitapp.com/
  https://hdac2scan.streamlit.app/
  https://htpredict.streamlit.app/
- Articles were published in scientific journals. Totally there are 35 articles, 39 conference proceedings and 4 books (more detail - https://www.researchgate.net/profile/Oleg-Tinkov)
- Lectures and practical classes were held for students.

2)Developed web-based tool for solving **credit scoring** tasks: https://credit-ai-assistant.streamlit.app/

3) Developed web-based tool for **signature verification:** https://deepsign.streamlit.app/

EDUCATION

2017 - PhD in cheminformatics. Institute of physiologically active compounds of Russian Academy of Sciences, Chernogolovka, Russia.

Additional courses:

1) Stepik- https://stepik.org/users/33915379/profile :

1. Deep Learning in Finance
2. Object-oriented programming in Python
3. Python Programming
4. SQL Introduction
5. Introduction intro Data Science and Machine Learning
6. Data Science with Gleb Mikhailov
7. Indie Python Programming Course
8. Kind, kind Python -a training course from Sergey Balakirev
9. "Python Generation": course for beginners
10. Immersion in Data Science and Machine Learning from scratch
11. Basics of statistics
12. Analysis of data in R
13. Web development for beginners: HTML and CSS

2) KARPOV.COURSES: Simulator SQL

English level: Intermediate (B1.3).