

Anton Tatur, MD

- DATA SCIENTIST
- MEDICAL IMAGING SPECIALIST
- AI IN HEALTHCARE

CONTACTS

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ABOUT ME

I am a medical doctor specializing in neurosurgery and oncology with over 17 years of experience. I have transitioned into the field of data science, where I currently focus on text classification, medical vocabulary mapping, and AI-driven applications for healthcare. While my primary work involves processing and analyzing medical text data, I remain deeply passionate about computer vision and medical imaging (MRI/CT analysis), and I continue to explore opportunities to apply AI in improving medical diagnostics and image interpretation.

SKILLS

- Data Processing and Visualization: Python, Pandas, NumPy, Seaborn, Matplotlib, SciPy
- Machine Learning & Deep Learning: Scikit-learn, TensorFlow, PyTorch, Keras, YOLO, EfficientDet
- LLMs and NLP Applications: Expertise in working with LLM APIs (ChatGPT, Gemini, DeepSeek, LLaMA), Langchain/Langgraph to build AI-driven applications, text vectorization (embeddings), and similarity comparison techniques
- Computer Vision & Medical Imaging: OpenCV, Dlib, Mediapipe, 3DSlicer, TrackVis, eFilm, PyDicom
- Database & Big Data Analytics: SQL, PostgreSQL, ETL Pipelines
- Medical Expertise: MRI and CT scan interpretation, neurophysiology, medical image segmentation

EDUCATION

BelMAPO, Minsk, Belarus

Neurosurgery, Oncosurgery, Manual Medicine
2012, 2013, 2018, 2020

BSMU, Minsk, Belarus

General Medicine
2006-2012

INTERNSHIPS

Clinic "Charite", Berlin, Germany
Supervisor: Prof. P. Vajkoczy
2019

TRAINING

Completed over 10 courses and master classes in neurosurgery in Belarus and abroad (Austria, Holland, Russia) from 2014 to 2019

LANGUAGES

- Russian: Native
- German: Goethe-Zertifikat C1
- English: B2+

WORK EXPERIENCE

EPAM Systems (formerly Odysseus) | Minsk Senior Data Scientist (11.2024 - Present)

- Analyzed and processed medical text data encoded in classification systems (ICD, SNOMED-CT, ATC, RxNorm).
- Developed and maintained medical vocabularies to ensure accurate data mapping.
- Created and optimized SQL scripts and functions in PostgreSQL for data transformation and classification.
- Built auto-classifiers and mappers using LLM APIs (ChatGPT, Gemini, LLaMA) and Langchain to automate classification.
- Applied mathematical models and vector operations to improve classification accuracy and processing speed.
- Used dimensionality reduction to optimize large dataset processing.

Medical Data Analyst (05.2024 - 10.2024)

- Analyzed and mapped medical text data across classification systems.
- Built SQL pipelines to preprocess and validate data.
- Developed initial rule-based models for classification and data mapping.
- Supported the maintenance of medical vocabularies for consistent terminology.

LWO | Minsk (06.2023 - 05.2024)

Data scientist (Computer vision)

- Designed and developed a face recognition system with Dlib, OpenCV.
- Implemented YOLO and EfficientDet models for object detection tasks
- Built and fine-tuned custom convolutional networks to enhance model efficiency.

TeachMeSkills | Minsk (09.2022 - 05.2023)

Data Scientist (Trainee)

- Gained proficiency in Python, Pandas, Seaborn, Matplotlib, and NumPy and other for data analysis and visualization.
- Developed machine learning models using Scikit-learn, achieving high classification accuracy on benchmark datasets.
- Acquired hands-on experience with convolutional neural networks (CNNs) and recurrent neural networks (RNNs).

SGKB | Minsk, Republican Scientific and Practical Center of Oncology | Minsk, Schön Klinik | Vogtareuth, RCMRiB | Minsk (2012 - 2022)

- Performed over 300 high-tech brain and spinal cord operations with high success rates.
- Implemented tumor removal techniques in functionally significant areas using intraoperative neuromonitoring and awake craniotomies.
- Segmented and analyzed CT/MRI images and developed tractograms using advanced medical imaging tools.