

Anna Mamchych

ML Engineer | Data Scientist

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

PROFILE

Junior ML Engineer and Data Scientist with a strong foundation in Mathematics and Statistics. Experienced in building end-to-end ML models (CNNs) and visualizing data for business insights (Power BI). Eager to apply skills in Python and SQL to optimize decision-making processes. Proven ability to explain complex technical concepts to non-technical stakeholders.

EXPERIENCE

- ❖ **Mobile ML Developer** 10/2025 – 01/2026
Adam Mickiewicz University
Academic Team Project
 - Developed a Flutter mobile application integrating a TensorFlow Lite image classification model.
 - Implemented on-device inference for photo-based object recognition.
 - Collaborated in a 4-person Agile team (Jira, Git, code reviews).
 - Presented the solution to academic and industry representatives.
- ❖ **Machine Learning Researcher** 04/2025 – 11/2025
UAM and ID-UB
Grant-funded project
 - Conducted ML research funded by the 'Excellence Initiative – Research University grant'.
 - Collected and preprocessed CT images; created a new annotated dataset (to be published on Kaggle).
 - Trained and evaluated several CNN architectures for rare brain pathology detection (model's accuracy > 90%).
 - Developed Python pipelines for data processing and image analysis using OpenCV and NumPy.
- ❖ **Programming trainer for children and youth** 03/2025 – present
Coding Giants
 - Led programming classes about Python, ML and AI, C++, C#, HTML and Scratch for youth.
- ❖ **IT department Intern** 06/2023 – 08/2023
PEPCO
 - Processed, transformed, interpreted and visualized data.
 - Managed and analyzed data using Excel functions, Pivot Tables and ERP.
 - Developed reports in Power BI.

PROJECTS

- [Wasted](#)
- [Fahr's disease detection](#)
- [Statistical analysis of the impact of the introduction of the "Safe Credit 2%" program on apartment prices in Poland](#)

EDUCATION

- ⊙ **MSc in Data Science (Data Analysis and Processing)** *The Adam Mickiewicz University of Poznan*
- ⊙ **BSc in Statistics and Data Analysis** *The Adam Mickiewicz University of Poznan*
- ⊙ **BSc in System Analysis and Management (Data Science)** *Foreign University*

SKILLS

- **Programming:** Python (Numpy, Pandas, Scikit-learn, Requests, Flask, OpenCV, TensorFlow, PyTorch); R, C++, HTML, CSS, Flutter
- **Data:** SQL (PostgreSQL), NoSQL (MongoDB, Neo4j), Tableau, Excel | **Tools:** GitHub, Docker, Power BI, Android Studio, Jira
- **Soft:** Flexibility of mind, Attention to details, Critical and Analytical Thinking, Time Management, Problem-solving, Communication

COURSES

- **DEEP LEARNING FOR BIOSCIENTISTS** THE UNIVERSITY OF NOTTINGHAM
- **Convolutional Neural Networks for Medical Images Diagnosis** Udemy
- **Umiejętności Jutra AI** Google and SGH
- **Applications of AI for Anomaly Detection; Getting Started with Deep Learning** NVIDIA

ADDITIONAL ACTIVITIES

- ❖ **Speaker at:**
 - **LIV International Biometrical Colloquium Conference** - "Comparing Machine Learning Methods in Detecting Fahr's Disease"
 - **Polish National Conference of Mathematics Students "Oblicze"** - "Gradient, but it's not about colors - gradient methods beyond mathematics"
 - **Poznań Festival of Science and Art** - "With Great Power Comes Great Responsibility! Artificial Intelligence in Creativity"
- ❖ **Vice President of KNM** – Koło Naukowe Matematyków (Scientific Circle of Mathematicians), **member of AI Star** Scientific Circle.
- ❖ **Member of the Data Analysis and Processing Curriculum Committee**
- ❖ **Volunteer at "I Love Marketing & Technology" Conference** - Supporting the conference organization and coordinating the event

ACHIEVEMENTS

- **Study@Research** XI Edition - Laureate of the Excellence initiative- Research University (ID-UB) grant program.
- **Women in Tech Camp** - Participant of a 4-day camp for the most talented STEM students from Polish universities.
- **New Technologies for Women** - Laureate of the NTDD grant program prize sponsored by Intel and Perspektywy.

LANGUAGES

Polish – Fluent | English – Advanced | Italian - Beginner