

# Tarik Alaiwi

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## About Me

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I am a **3rd year Computer Science** student. I'm developing my skills in **Machine Learning** as an active member of the Czarna Magia AI Student Club and honed my **Full-Stack Web Development** through a summer **internship in Rome**.

## Education

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**University of Warmia and Mazury in Olsztyn**, BS in Computer Science Oct 2022 – Feb 2026

- GPA: **4.72/5.0**
- Member of **Czarna Magia AI student club**.
- **NVIDIA** Fundamentals of Deep Learning Certification.

## Experience

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**Research Assistant**, OnkoBot Project – **Olsztyn / Remote**, Poland Apr 2025 – Present

- Currently working on the development of a **RAG-based chatbot** (OnkoBot) for oncological information support.
- Project in collaboration between UWM Olsztyn and the National Institute of Oncology in Warsaw.

**Web Developer Intern**, Ecobubble – **Rome**, Italy July 2024 – Sep 2024

- Built a **full-stack** app (Django & Vue.js) to visualize and streamline data collection.
- Improved SEO of existing websites in **Webflow**.

## Projects

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**ViT Pneumonia Classifier** [github.com/repo](https://github.com/repo)

- Researched models and data, fine-tuned a **ViT**, applied Explainable AI via **GRAD-CAM**.
- Built a demo to showcase results. Full-stack interface in progress.
- Tools: PyTorch, Gradio, Django, Vue.js, Bulma

**Magical Drones** [github.com/repo](https://github.com/repo)

- Developed a system converting satellite images into maps using GANs with **Czarna Magia** club and guidance of a **mentor from OPEGIEKA**.
- Tools: PyTorch Lightning, QGIS, Gradio

## Technologies

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**Languages:** Python, JavaScript, SQL, HTML, CSS

**Tools:** PyTorch, scikit-learn, Matplotlib, Pandas, Django, Vue.js, SQLite, Gradio, Postman, Git, Github, Jira

## Languages

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- **English C1**
- Polish native