

AI Engineering graduate passionate about NLP, computer vision, and applying AI in healthcare. Experienced in building cloud-integrated applications (Azure, Blazor, FastAPI) and modular AI pipelines for real-world use cases. Enthusiastic about ethical AI and bringing innovative solutions into practice.

CONTACT

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Location: Menen, West-Flanders, Belgium

Portfolio: <https://github.com/LanthaRadium>

PROFESSIONAL
EXPERIENCE

AI/Software Engineering Intern | Data4
Cape Town, South Africa | Feb – Jun 2025

- Developed and improved Blazor web components for a patient portal (doctor login and dashboard, survey progress tracking).
- Built AI-powered chatbots with Microsoft Copilot Studio to support medical billing workflows (SharePoint/OneDrive knowledge sources, region-specific compliance).
- Deployed and documented Microsoft Azure services (AI Foundry, Data Factory, Document Intelligence, Power Automate) to enhance healthcare workflows.

Research Project: AI Storyteller
Bachelor Thesis | Jan – Jun 2025

- Designed and implemented a modular AI pipeline for children’s storytelling.
- Integrated story generation (Llama 3.1), narration (MeloTTS), and music clips (MusicGen) into a Gradio-based UI.
- Conducted expert interviews to gather feedback on educational value and modularity, integrating their input into the final thesis.

EDUCATION

Bachelor of Multimedia & Creative Technologies – AI Engineering Track
Howest University of Applied Sciences, Kortrijk | 2022–2025
(completed, official diploma November 2025)

TECHNICAL
SKILLS

- **Programming & Frameworks:** Python, C#, JavaScript, SQL, FastAPI, Blazor, Docker, Kubernetes,
- **AI/ML:** scikit-learn, TensorFlow/PyTorch, NLP, Computer Vision, Reinforcement Learning, Deep Learning
- **Cloud & MLOps:** Microsoft Azure, GitHub Actions, CI/CD
- **Tools:** Git, Gradio, Jupyter Notebooks, Scrum/Agile