



Thijn Bakker

Data Science & AI Student


About Me

I am a very friendly guy, who is always there for anyone in need. I love to help and love to talk. When coding issues arise I do everything to fix it. Motivated and up for a challenge for whenever!

Contact

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 Oosterhout, Noord-Brabant
Netherlands

Skills

- Analytical thinking
- Communication (written & spoken)
- Stakeholder management
- Problem-solving
- Research
- Agile teamwork
- Ethical awareness
- User experience sensitivity

Education

● Expected Graduation: 2026 **BREDA UNIVERSITY OF APPLIED SCIENCES (BUAS)**

Bachelor of Science in Applied Data
Science & Artificial Intelligence

- Achieved propaedeutic certificate in the first year.
- Focus on AI, machine learning, robotics, and data science applications.

Experience

● (Jun 2023 - Present)

BARTENDER

Eetbar Marktzicht

- Delivered excellent customer service in a high-paced environment.
- Managed orders efficiently and maintained quality under pressure.

Language

- **Dutch** (Native)
- **English** (Professional working proficiency)



Interests

- Artificial Intelligence applications in real-world environments
- Robotics and automation
- Sustainable development through data-driven insights
- Sports analytics and mobility innovation



Technical Skills

- **Programming & Data Science:** Python, NumPy, Pandas, Power BI, Streamlit
- **Machine Learning & AI:** Deep learning, supervised/unsupervised ML, reinforcement learning, computer vision, time series analysis
- **Tools & Platforms:** Kaggle, Openrons OT-2, MLOps pipelines, Figma (UI/UX Design)
- **Project Management:** Agile (Scrum/Kanban), Research writing, Policy development
- **AI Ethics & Legal Compliance:** Responsible AI practices, GDPR, AI Act adherence



Projects (Part 1)

- **Automating Plant Root Analysis & Precision Inoculation (Nov 2024 – Jan 2025)**

Developed a computer vision pipeline for plant root segmentation and robotic liquid handling automation for NPEC.

 - Key technologies: Deep learning, reinforcement learning (RL), robotics control (PID, RL), Openrons OT-2, Kaggle competition.
 - Delivered a full AI-robotics solution to improve plant phenotyping.
- **Bridging AI & Business: Analytics Translator for SME Digital Transformation (Sep 2024 – Nov 2024)**

Acted as the bridge between data science teams and SMEs through Digiwerkplaats.

 - Conducted quantitative and qualitative research on AI adoption, cybersecurity, fake news, and digital trust.
 - Delivered a policy paper and conference poster with actionable AI strategies.
- **Enhancing Road Safety with AI-Driven Driving Behavior Analysis (May 2024 – Jun 2024)**

Created machine learning models analyzing telematics data (braking, speeding patterns) to improve road safety in Breda.

 - Focused on MLOps, time series analysis, and responsible AI under AI Act regulations.
- **AI-Powered Traffic Sign Detection for Smarter Driving (Feb 2024 – Apr 2024)**

Built a deep learning model for real-time traffic sign detection and designed an intuitive driver interface using Figma.

 - Integrated Responsible AI practices to ensure fairness across driving conditions.



Projects (Part 2)

● **Data-Driven Player Recruitment for NAC Breda (Nov 2023 – Jan 2024)**

Developed supervised and unsupervised ML models to optimize player scouting for NAC Breda football club.

- Built interactive dashboards with Streamlit and ensured GDPR compliance.

● **AI & Data Science for Sustainable Development (SDGs: Hunger & Climate Change) (Sep 2023 – Nov 2023)**

Investigated the link between climate change and food insecurity using Python and Power BI.

- Delivered dashboards and policy recommendations for sustainable food security initiatives.