

CONTACT

+32 472 74 58 56

claesmika@gmail.com

Beringen, Belgium

mikaclaes.be

linkedin.com/in/MikaClaes

github.com/MikaClaes

EDUCATION

Bachelor of Applied Computer Science (AI)

Thomas More University of Applied Sciences, Geel

2024 — 2027

Secondary Education: Computer Science

Sint-Franciscuscollege, Heusden-Zolder

2022 — 2024

LANGUAGES

Dutch C2

English C1

French B1

DRIVING LICENCE

Licence B

HOBBIES

Competitive Pokémon (VGC): strategic team building, meta analysis, and long-term planning under tournament pressure.

Strength training: structured programming with a focus on progressive overload and conditioning.

MIKA
CLAES

AI/ML ENGINEER INTERN



SKILLS

Languages

Proficient: Python, SQL

Familiar: Java, C# (.NET)

ML / AI

scikit-learn, Pandas, NumPy

Data

Matplotlib, Qlik

Databases

MySQL, MongoDB

Dev Tools

Proficient: Git

Familiar: Docker, Azure

EXPERIENCE

Store Clerk — Juga Camperservice, Tessenderlo-Ham, Belgium Jul 2021 — Present

- Handled customer service, stock management, and day-to-day store operations alongside full-time studies.

Development Intern — Goeleven BV, Lummen, Belgium Feb 2024 — Mar 2024

- Built a messaging prototype using NServiceBus and successfully adapted the logic to integrate with the company's internal MessageHandler system.
- Integrated Azure services to route messages from a web application to specific service endpoints, ensuring reliable delivery.

PROJECTS

Car Breakdown Prediction 2025

- Built a full ML workflow (EDA, custom data pipeline, feature engineering) to predict vehicle failures within 30 days.
- Compared Random Forest and Gradient Boosting models: tuned classification threshold to minimise false negatives, prioritising breakdown detection over raw accuracy.
- Led the technical implementation as primary developer: wrote most of the codebase, built the data pipeline, and handled model setup and tuning.

Blended Intensive Program: CERN Particle Accelerator IoT 2026

- Collaborated in an international team at TH Köln to build a networked, ESP32-based IoT model of a CERN particle accelerator's Linac4 section.
- Led the hardware schematics and firmware development using CAN-bus communication, rewriting the majority of the codebase after a teammate's AI-generated logic proved dysfunctional.

East-Africa Farmer and Seller Marketplace 2025

- Built a USSD-based marketplace for East African farmers and middlemen, designed to run on 2G GSM networks: enabling crop listings, real-time bidding, and logistics scheduling without requiring a smartphone or data plan.
- Took full ownership of the backend: designed and implemented a .NET API serving both Flutter and React Native frontends simultaneously, ensuring consistent data delivery across all clients.