# EDUARD JACOBUS ENGELBRECHT

## STUDENT SOFTWARE ENGINEER

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## ABOUT ME

Aspiring software engineer passionate about building impactful, intelligent systems. I value teamwork, honest communication, and learning through feedback. I aim to create purposeful solutions through modern designs.

## SKILLS

- C#
- Python
- Machine Learning
- Node.js
- HTML
- CSS
- JavaScript
- Embedded JavaScript
- Express.js
- SQL
- NoSQL
- MongoDB
- Java
- Java DB
- Java Swing

## PROJECTS

**Jul 2024** — **Belgium Campus Course Selector**

A dynamic web app to explore Belgium Campus courses, with structured layouts, calendars, and downloadable study guides. Made with HTML, CSS and JavaScript.

**Apr 2025** — **Machine Learning Inventory Management System**

Python scripts implementing machine learning to forecast product demand and calculate reorder quantities for stock optimization.

**May 2025** — **E-Commerce System**
Modular NoSQL backend for an online store, built with MongoDB and Express. Includes cart logic, checkout flow, and product admin control.

**May 2025** — **Mobile Application for Consent Forms**

Flutter mobile app and Node.js backend for generating and processing medical consent forms with PDF generation and scheduling features.

## CERTIFICATIONS

**2025** — **AI & Machine Learning Fundamentals – O'Reilly, Critical Thinking.**

## EDUCATION

**2022** — **Matric**
Brits Highschool

**2023-Present** — **Bachelor of Computing BComp**
Belgium Campus ITVersity