

# EDUARD JACOBUS ENGELBRECHT

## STUDENT SOFTWARE ENGINEER

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### ABOUT ME

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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

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|-----------------------|----------|--------------------|
| • C#                  | • CSS    | • MongoDB          |
| • JavaScript          | • Python | • Node.js          |
| • Embedded JavaScript | • SQL    | • Machine Learning |
| • HTML                | • NoSQL  | • Express.js       |

### PROJECTS

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Jul 2024	<b>Belgium Campus Course Selector</b> 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	<b>Machine Learning Inventory Management System</b> Python scripts implementing machine learning to forecast product demand and calculate reorder quantities for stock optimization.
May 2025	<b>E-Commerce System</b> Modular NoSQL backend for an online store, built with MongoDB and Express. Includes cart logic, checkout flow, and product admin control.
May 2025	<b>Mobile Application for Consent Forms</b> Flutter mobile app and Node.js backend for generating and processing medical consent forms with PDF generation and scheduling features.

### CERTIFICATIONS

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2025	<b>AI &amp; Machine Learning Fundamentals – O'Reilly.</b>
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### EDUCATION

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2022	<b>Matric</b> Brits Highschool
2023-Present	<b>Bachelor of Computing BComp</b> Belgium Campus ITVersity