

MICHEL RUWISHKA

SOFTWARE ENGINEERING UNDERGRADUATE

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github.com/Michel2618 | portfolio-amber-xi.vercel.app/

SUMMARY

Motivated Level 5 Software Engineering undergraduate at the Informatics Institute of Technology, affiliated with the University of Westminster. Strong foundation in full stack development, alongside hands-on experience with IoT and circuit prototyping. Currently expanding technical expertise into Machine Learning. Proven leadership capabilities through the successful coordination of academic team projects. Eager to leverage academic experience and technical curiosity in a professional software engineering internship.

EDUCATION

BEng (Hons) Software Engineering Informatics Institute of Technology Affiliated with University of Westminster, UK	September 2024 – Present
Foundation Certificate in Higher Education (IT) Informatics Institute of Technology	2023 – 2024 (Merit)
Advanced Certificate in Information and Communication Technology BCI Campus, Negombo	2023 (Credit)

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python, C++
- **Web & Frameworks:** Node.js, React, Spring Boot, HTML, CSS
- **IoT & Electronics:** ESP32 Development, Circuit Designing and Prototyping
- **Databases:** MySQL, Firebase
- **Tools:** Git/GitHub, Figma (UI/UX), IntelliJ IDEA, VS Code, Arduino IDE

CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

- **Professional Skills Development:** Completed a Certificate in English (Intermediate Level) at BCI Campus, taking initiative to enhance professional communication skills alongside technical studies.
- **Java: Advanced Concepts for High-Performance Development:** Completed advanced coursework to strengthen Object-Oriented Programming skills, demonstrating a commitment to continuous professional development beyond the university curriculum.
- **Independent IoT Engineering:** Designing and prototyping custom smart home solutions using ESP32 microcontrollers, applying theoretical circuit knowledge to practical, self-initiated hardware projects.

ACADEMIC PROJECTS

Smart Wholesale Platform (Ongoing) | Live Site: trade-xs.com

- Leading the development of an AI-powered B2B marketplace by coordinating team task distribution and resolving technical blockers to ensure timely delivery. Responsible for **Node.js** backend architecture and database integration.
- Conducting research on 2D to 3D image processing, applying analytical skills to evaluate algorithms and determining their feasibility for the platform.
- Implemented Git version control to manage team contributions, facilitating technical communication to resolve complex merger conflicts and maintain code integrity.

UN Sustainable Development Goals Website (2024)

- Leading the team to build an educational website for SDG Goal 13 by setting clear milestones and monitoring progress to meet strict academic deadlines.
- Developed the responsive frontend using **HTML**, **CSS** and **JavaScript**, focusing on accessibility standards to ensure a seamless user experience across devices.

Smart Furniture App - “CraftMettle” (2023)

- Designed a mobile platform concept connecting furniture artisans with buyers.
- Created user personas and high-fidelity prototypes using Figma, translating user needs into intuitive design solutions.

REFERENCES

Mr. Crishan Perera

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Mr. Vathila De Silva

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