

YEHENI DODANWELA

COMPUTER SCIENCE UNDERGRADUATE



CONTACT

+94765805600

yehenidodanwela05@gmail.com

36, Vanderwert Place,
Dehiwala, Sri Lanka

<https://www.linkedin.com/in/yeheni-dodanwela-800808318>

<https://github.com/yehenidodanwela>

<https://yeheni-dodanwela-portfolio-website.vercel.app>

TECHNICAL SKILLS

- Front-End Development:** HTML, CSS, JavaScript, React, React Native, Bootstrap, Tailwind
- Back-End Development:** Java, Python, PHP, Node.js, Express
- Database Management:** MySQL, MongoDB, Database Design
- GUI Development:** JavaFX, Tkinter
- Tools & Platforms:** Git, GitHub, Postman, Figma, Canva

SOFT SKILLS

- Teamwork
- Leadership
- Communication Skills
- Time Management
- Adaptability

LANGUAGES

- English (Fluent)
- Sinhala (Native)



PROFILE

I am currently pursuing my Bachelor's degree in Computer Science at the University of Westminster. With a strong foundation in full-stack web development, UI/UX design, and Database Management, I enjoy designing interactive websites, developing scalable applications, and working with both front-end and back-end technologies. I thrive in fast-paced environments, love collaborating with teams, and am always eager to learn and adapt to emerging technologies.



EDUCATION

Informatics Institute of Technology, affiliated with University of Westminster 2024 - 2028

BSc (Hons) Computer Science
(Running Average: 76.65%)

Government Science College, Matale 2017 - 2022

- A-Levels: Combined Mathematics (S), Physics (S), Chemistry (S), General English (A), GIT (A)*
- O-Levels: 9A Passes, including Maths and English*



PROJECTS

CookMate - AI & IoT-Based Cooking Companion App Ongoing

- CookMate is a smart cooking assistant designed to make cooking easier, safer, and more interactive. The app integrates AI-powered recipe suggestions and IoT-enabled temperature sensors to monitor cooking in real-time.
- Technologies: Mobile App - **React Native, Node.js & Express, Firebase**
IoT Device - **Arduino sensors, MQTT protocol**

Artiverse - Platform for Sri Lankan Artists Ongoing

- Artiverse is a web platform that empowers Sri Lankan artists to showcase, sell, and collaborate on creative projects and events. It incorporates Augmented Reality (AR) to allow users to visualize artworks in real-world settings.
- Technologies: **React, Node.js & Express, Asgardeo, AR.js, Three.js, WebXR, MongoDB**

Personal Portfolio Website Aug 2025 - Aug 2025

- A fully responsive personal website with light/dark themes, showcasing sections like About Me, Skills, Projects, Education, and Certifications. Includes an interactive contact form via EmailJS and a clean, minimal design.
- Technologies: **HTML, CSS, JavaScript, Bootstrap**
- [View Project on GitHub](#)**

CERTIFICATIONS

- **Postman API Fundamentals Student Expert certification - Postman** (Issued December 2025)
- **Microsoft Azure AI Fundamentals – Microsoft** (Issued May 2025)
- **Java Object-Oriented Programming – LinkedIn** (Issued March 2025)
- **Web Design for Beginners – University of Moratuwa** (Issued August 2024)

EXTRACURRICULAR ACTIVITIES

- **Member of IEEE Global** (2024 - Present) - Membership No: 100623704
- **Member of IEEE Computer Science Society, IIT** (2024 - Present)
- **Member of Rotaract Club of IIT** (2024)
- **Senior Prefect** (2020-2021)

HOBBIES & OTHER INTERESTS

- Content Creating
- Creative Design & Arts
- Reading & Research
- Report & Article Writing

REFERENCES

Mr. Kumuditha Dodanwela
Senior Software Engineer, WSO2
Phone: +94772324504
Email : kumuditha@wso2.com

Mr. Indrajith Ekanayake
Lecturer, Informatics Institute of Technology
Phone: +94 71 310 1658
Email : indrajith.e@iit.ac.lk

Mrs. Jayani M. Warnakula
Lecturer, Informatics Institute of Technology
Phone: +94 71 982 6581
Email : jayani.w@iit.ac.lk

GPA Calculator for IIT Students

Jun 2025 - Jul 2025

- A GPA prediction and calculation tool designed for University of Westminster students, allowing them to estimate GPA using 2nd-year marks or calculate full GPA including 4th-year marks. Supports input as final module grades or individual assignment marks. Available in both console-based Java and GUI-based JavaFX versions, with a user-friendly interface and scalable design for potential database integration.
- Technologies: **Java, JavaFX** [View Project on GitHub](#)

GIF Creator (Python)

May 2025 - May 2025

- A Python program to convert multiple images into animated GIFs using the image.io library, featuring adjustable playback speed, error handling, and a lightweight structure.
- [View Project on GitHub](#)

AquaProtect - Marine Conservation Website

Feb 2025 - Mar 2025

- Led a team to develop an interactive website promoting marine conservation (UN SDG 14), designing layouts in Figma and implementing the homepage, content pages, and a custom table.
- Technologies: **HTML, CSS, JavaScript, Figma** [View Project on GitHub](#)

Python-Based Traffic Data Visualizer

Nov 2024 - Dec 2024

- A program for CSV data processing, date validation, and graphical visualization, featuring an interactive UI with robust error handling. Strengthened skills in GUI development and data analysis.
- Technologies: **Python, Tkinter** [View Project on GitHub](#)

Petals and Loops - E-commerce Website

Aug 2024 - Aug 2024

- Developed a full-featured e-commerce platform for selling crochet flower bouquets, featuring a shopping cart, search functionality, and an interactive UI.
- Technologies: **HTML, CSS, JavaScript** [View Project on GitHub](#)

UI/UX Design Projects

- CookMate App (UI/UX Design and Prototypes with Figma): [View Project](#)
- My Personal Portfolio Website (UI/UX Design with Figma): [View Project](#)
- Marine Conservation Website (Desktop UI with Figma)
- Mobile Music Player App (UI Design with Figma)



EXPERIENCE & VOLUNTEERING

Tutoring - Assisting university and school students in Programming, Mathematics, ICT, and Science



ARTICLES

Smarter Shields: AI's Role in Defending Against Zero-Day Threats - [View Article](#)

(StackMedium Article of the Month - June Winner Published by the IEEE Computer Society Branch Chapter Of IIT)

- Explores how artificial intelligence strengthens cybersecurity by detecting and mitigating zero-day vulnerabilities that traditional tools often miss. Highlights real-world use cases from companies like Darktrace, CrowdStrike, and Google, while addressing challenges such as false alarms, bias, and privacy concerns. Emphasizes the future of AI-human collaboration in building resilient digital defenses