

YEHENI DODANWELA

COMPUTER SCIENCE UNDERGRADUATE



CONTACT

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TECHNICAL SKILLS

- **Front-End Development:** HTML, CSS, JavaScript, Bootstrap, React, Tailwind
- **Back-End Development:** Java, Python, Node.js, Express
- **Database Management:** MySQL, MongoDB, Database Design
- **GUI Development:** JavaFX, Tkinter
- **Tools & Platforms:** Git, GitHub, Figma, Canva, SceneBuilder, Spline, VS Code, IntelliJ, Vercels

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

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

GPA Calculator for IIT Students (Java/JavaFX) Jun 2025 - Jul 2025

- Designed for University of Westminster students to predict and calculate GPA using academic regulations. Built in console-based Java and GUI-based JavaFX versions.
- Students can predict GPA with 2nd-year marks and calculate full GPA with 2nd and 4th year marks.
- Can input marks as final module marks or individual assignment marks.
- User-friendly JavaFX GUI and scalable for database integration.

Personal Portfolio Website Aug 2025 - Aug 2025

- Fully responsive personal website with light/dark themes.
- Sections: About Me, Skills, Projects, Education, Certifications, Contact.
- Interactive contact form using EmailJS.
- Clean, minimal design with HTML, CSS, JavaScript and Bootstrap

GIF Creator (Python) May 2025 - May 2025

- Converted multiple images into animated GIFs using imageio library.
- adjustable playback speed, error handling and lightweight structure.

EXTRACURRICULAR ACTIVITIES

- Senior Prefect (2020-2021)
- Member of IEEE Global (2024 - Present)
- Member of IEEE Computer Science Society, IIT (2024 - Present)
- Member of Rotaract Club of IIT (2024 - Present)

HOBBIES & INTERESTS

- Web Development & Programming
- Arts (Traditional & Digital)
- Content Creating
- Creative Design
- Reading & Research
- Report & Article Writing

REFERENCE

Mr. Indrajith Ekanayake

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Python-Based Traffic Data Visualization

Nov 2024 - Dec 2024

- Created a program for date validation, CSV data processing, and graphical data visualization.
- Implemented error handling, interactive UI, and data analysis tools using Python and Tkinter.
- Strengthened skills in GUI development and data visualization.

AquaProtect - Marine Conservation Website (Team Leader)

Feb 2025 - Mar 2025

- Led a team to develop an interactive website promoting marine conservation, aligning with UN SDG 14.
- Designed the website layout using Figma and implemented homepage, content pages, and a custom table.
- Technologies: HTML, CSS, JavaScript, Figma, Canva.

Petals and Loops - E-commerce Website

Aug 2024 - Aug 2024

- Developed a full-fledged e-commerce platform for selling crochet flower bouquets.
- Key features: shopping cart, search functionality, interactive UI. Technologies: HTML, CSS, JavaScript

UI/UX Design Projects

- Mobile Music Player App (UI Design with Figma)
- Marine Conservation Website (Desktop UI with Figma)
- My Personal Portfolio Website (Responsive UI with Figma)



CERTIFICATIONS

Web Design for Beginners - University of Moratuwa (Issued August 2024)

Microsoft Azure AI Fundamentals - Microsoft (Issued May 2025)

Java Object-Oriented Programming - LinkedIn (Issued March 2025)



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