



# MATHEESHA SIRISOORIYA

## BSc Computer Science Undergraduate

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### ABOUT ME

Motivated Computer Science undergraduate passionate about creating innovative and user focused digital solutions. Eager to take on challenges, grow through real-world experience and contribute meaningfully to team success.

### PROJECTS

#### Resilify – Gamified Mobile App for OCD Support - [resilify.live](https://resilify.live)

- Developed a mobile app designed to support OCD management through interactive therapeutic experiences.
- Focused on intuitive UI/UX using Flutter and Figma to deliver a user-friendly, calming experience.
- Integrated dynamic content rendering for educational and supportive resources within the app.
- Built and deployed backend services using Flask, integrated via RESTful APIs, containerized with Docker and self-hosted with Nginx for production use.
- Contributed as a full-stack developer across both frontend and backend development.

**Tech Stack:** Flutter, Python, Flask, REST API, Docker, Nginx, Firebase, Figma

**GitHub Repository:** <https://github.com/Resilify>

#### Real-Time Ticket Management System

- Built a full-stack ticketing system using Spring Boot, React.js and a multi-threaded Java CLI with RESTful APIs and MySQL backend.
- Implemented a live dashboard for real-time ticket monitoring and a concurrent CLI to simulate vendor and customer operations.

**Tech Stack:** Java, Spring Boot, React.js, MySQL, REST API

**GitHub Repository:** <https://github.com/mksirisooriya/OOP-Coursework>

#### Health and Wellness Awareness Website

- Developed a responsive wellness website with interactive UI components using HTML, CSS and JavaScript across the homepage, content, feedback and checkout sections.
- Implemented advanced features including sticky navigation, parallax effects and real-time client-side form validation for enhanced user engagement.

**Tech Stack:** HTML, CSS, JavaScript

**GitHub Repository:** <https://github.com/mksirisooriya/Good-Health-Well-being-Website>

#### XR-Based Virtual Museum for Apple Vision Pro (UI/UX Design)

- Contributed to the design of an immersive virtual museum experience focused on accessibility and cultural heritage using Apple Vision Pro.
- Designed interactive environments with intuitive navigation and engaging storytelling to enhance user experience across diverse audiences.

**Tech Stack:** Figma, Photoshop, Illustrator, FFmpeg

**Figma:** <https://www.figma.com/design/p5Qrfdq0fVnBWYaFM88Pn/Monochrome>

## Personal Portfolio Website

- Built a React.js-based portfolio to professionally showcase skills, featured projects, and a downloadable CV, with smooth navigation and modern UI design.
- Deployed on a custom domain with responsive layout and performance optimizations for desktop and mobile.

**Tech Stack:** React.js, JavaScript, CSS Modules, GitHub Pages

**Live Demo Link:** <https://mksirisooriya.me>

## EDUCATION

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### BSc (Hons) Computer Science

Sep 2023 - Present

Informatics Institute of Technology, affiliated with the University of Westminster

- Year 2 Modules (**Average - 74.83**) - Database Systems, Object Oriented Programming, Software Development Group Project, Client-Server Architectures, Information Technology Security, Machine Learning and Data Mining
- Year 1 Modules (**Average - 73.16**) - Mathematics for Computing, Computer Systems Fundamentals, Software Development I, Software Development II, Web Design and Development, Trends in Computer Science

### Diploma in Professional Human Resources Management (DPHRM)

Aug 2024 - Present

Chartered Institute of Personnel Management, Sri Lanka

### G.C.E Advanced Level

2021(2022)

St. Sylvester's College, Kandy

## SKILLS

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- **Programming Languages** - Python, Java, JavaScript, HTML, CSS
- **Frameworks and Libraries** - Spring Boot, React.js, Flutter, Flask
- **Backend & DevOps** - RESTful APIs, Docker, Nginx, Firebase, MySQL, rclone, DigitalOcean, Oracle
- **Tools** - GitHub, Postman, Visual Studio, IntelliJ IDEA, Figma, Adobe Photoshop, Adobe Illustrator
- **Soft Skills** - Teamwork, Leadership, Project Management, Conflict Resolution, Adaptability

## ACHIEVEMENTS AND CERTIFICATIONS

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- Completed CCNAV7: Introduction to Networks course.
- Completed Oracle Cloud Infrastructure Foundations certification
- Finalist at IX-24 Inter University Designathon.
- Participated as a Delegate in International Model United Nations 45.0

## EXTRA-CURRICULAR ACTIVITIES

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- Volunteer Management Committee Lead at IEEE IIT 2025
- President of the College ICT Society 2020/21
- Secretary of the College Aviation Club 2019/2020
- Committee Member of the College Interact Club 2020/21
- Member of the College Photography Club 2020/21

## REFERENCES

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### Mr. Dhanushka Wedamulla

Branch Manager  
People's Leasing & Finance PLC

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