



# ISURI MANIKYA LOKUPATHIRAGE

University of Moratuwa

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Horana

🌐 [www.linkedin.com/in/isurim2002](https://www.linkedin.com/in/isurim2002)

🔗 <https://github.com/Isuri2002>

📁 <https://my-portfolio-kappa-sage-22.vercel.app/>

## About

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An enthusiastic and self-driven undergraduate passionate about software engineering, aiming to build a successful career in the IT industry. With a positive attitude, adaptability, and commitment to growth, I focus on strengthening my technical expertise to become a well-rounded IT professional. Currently, I am seeking an internship opportunity to apply my skills, contribute to meaningful projects, and gain valuable industry experience.

## Education

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**B.Sc. (Hons) in Information Technology** | University of Moratuwa 2023 present

**G.C.E. Advanced Level – Physical Science Stream** | Taxila Central College, Horana 2021-2022

- Z-score – 1.6914
- Physics – A, Chemistry – A, Combined Mathematics - C

**G.C.E Ordinary Level** – Taxila Central College, Horana 2018

- 9A s

## Skills

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**Frontend:** React.js, Next.js, Tailwind CSS, Bootstrap, Framer motion, HTML, CSS

**Backend:** Spring Boot, TypeScript

**Databases:** MySQL, MS SQL Server, MongoDB

**Tools & Technologies:** Git, GitHub, Postman, UI designs (Figma), Canva, Vercel

**Programming Languages:** C, Java, JavaScript

**Hardware & IoT:** Arduino, Esp32

## Projects

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**Personal Portfolio Web site** – Individual project | [\[Demo Link\]](#), [\[LinkedIn\]](#)

Designed and deployed a professional portfolio to showcase education, skills, and projects. The website features a fully responsive layout with smooth animations, dark/light mode support, a downloadable CV section, and an integrated contact form powered by Nodemailer for direct email communication. Successfully deployed and hosted on **Vercel** for reliable global access.

- Technologies – Next.js | TypeScript | Tailwind CSS | Framer motion

**Paper Sync – Exam Paper and Resource Person Handling System** – 2<sup>nd</sup> year software group project | Department of Technical Education & Training (DTET) [\[Repo Link\]](#)

Designed and developed a centralized web-based and mobile-based application to manage resource persons involved in exam paper setting and streamline their payment processing. The system supports user authentication, course and paper setter assignment, document uploads and automated voucher generation.

- As a full-stack developer, I implemented secure user authentication and role-based access control using JWT, built a complete profile management system with support for image uploads, developed password reset functionality with email integration, and created a comprehensive Admin Panel to manage user accounts, approvals, and account lifecycle actions.
- Technologies – React.js | Tailwind CSS | Spring Boot | MySQL

**TerraSmart – Automated Closed Terrarium System** – 1<sup>st</sup> year Hardware Group project | [\[Demo Link\]](#), [\[Repo Link\]](#)  
Developed a microcontroller-based automated terrarium system designed to maintain stable environmental conditions for plant growth. The project integrated sensors (soil moisture, temperature, water level, RTC) with an ESP32 controller to automate irrigation, temperature regulation, and nutrient supply.

- Focused on the design and implementation of the temperature control system, including configuring Peltier cooling modules and cooling fans. My responsibilities involved activating cooling mechanisms via relays and ensuring stable thermal regulation inside the terrarium.
- Technologies – Arduino, Esp32, C++

## Competitions

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- Participation – HackMoral 7.0 organized by INTECS faculty of Information Technology, University of Moratuwa | 26<sup>th</sup> place
- Participation – MoraXtreem 9.0 organized by IEEE Student Branch & IEEE Computer Society of University of Moratuwa
- Participation – CodeRush 6.0 organized by INTECS faculty of Information Technology, University of Moratuwa

## Extracurricular

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### Finance Committee member

Futuro 3.0 organized by IEEE WIE Student Branch Affinity Group | University of Moratuwa

## Certifications

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All certifications are displayed on my LinkedIn profile.

## Non-Technical Skills

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|-----------------------|---------------------------|
| • Problem Solving     | • Adaptability            |
| • Team Collaboration  | • Critical Thinking       |
| • Hardworking         | • Effective Communication |
| • Attention to Detail | • Time management         |

## Languages

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- Sinhala (Native)
- English

## Referees

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### Ms. Adshayani Pirapaharan

Lecturer  
Department of Information Technology  
Faculty of Information Technology  
University of Moratuwa  
<mailto:padshayani@uom.lk>

### Mr. W. M. L. C. Wikramasinghe

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