

# IMANDI KAVITHMA

UNDERGRADUATE



+94 714079273

"Chanmini", Pattidora, Boossa, Galle

imandikavithma2714@gmail.com

imandikavithma

imandi-kavithma

Imandi-Portfolio

## PROFILE

I am a third-year **Computer Science** student at the **University of Westminster, UK (Informatics Institute of Technology - IIT)** with a strong foundation in programming and problem-solving. I can work under pressure and have a high sense of responsibility. I am eager to apply my knowledge to real-world projects and collaborate with teams. I intend to leverage my knowledge and develop further in the field as my future career.

## EDUCATION

### INFORMATICS INSTITUTE OF TECHNOLOGY - IIT

(UNIVERSITY OF WESTMINSTER, UK ) 2023 - PRESENT  
BSc(Hons) in Computer Science

### SOUTHLANDS COLLEGE

- G. C. E. Advanced Level Examination - 2022(2023)  
Physical Science Stream with ICT
- G. C. E. Ordinary Level Examination - 2018

## PROJECTS

### Sinhala Grammar Checker Tool - Group project

Role - UI/UX & Frontend Development

- Built a Sinhala grammar checker and learning tool using **React**, **TypeScript**, **Tailwind CSS**, and **Python**, with plans to integrate **NLP libraries** for advanced grammar analysis.
- Features real-time grammar error detection, smart suggestions, and vocabulary support (synonyms, antonyms, paired words) to enhance writing and learning.
- Designed a UI with **Figma**; used **Git** and **GitHub** and **VS Code** for collaborative development.

Ongoing

### Book Store API - individual Project

- Developed a RESTful API using **Java** and **JAX-RS (Jersey)** to manage books, authors, customers, shopping carts, and orders with proper HTTP methods and status codes.
- Implemented custom exception handling and returned consistent JSON error responses
- Tested endpoints with **Postman** and deployed on **Apache Tomcat**

2025

### Cinema Seat Reservation System- Individual project

- Built a **Java** console application simulating a cinema seat booking system using **OOP concepts** with features like seat booking, cancellation, and user data management.
- Implemented input validation, exception handling and displaying seat availability and ticket details.
- Designed a menu-driven interface allowing users to interact with features such as printing tickets, finding the first available seat, and viewing the seating plan.

2024

## Health Club – Group Project

2024

- Collaborated in a 4-member team to develop a responsive website promoting Good Health and Well-being, featuring engaging content and interactive design.
- Built key components including splash screen, homepage, gallery, shop, user profiles, feedback form, and sitemap using **HTML5**, **CSS**, and **JavaScript**.
- Ensured a user-friendly experience with clean navigation; used **VS Code**

## Student Progression Outcome Predictor – Individual Project

2023

- Developed a **Python** program to determine student progression outcomes based on credit inputs for Pass, Defer, and Fail, following predefined academic rules.
- Implemented input validation and looping to process multiple student records with results stored via file I/O.
- Displayed a graphical histogram using graphics.py for visual output.

## ACHIEVEMENTS

---

### Participated CyberZee'24 – Quiz Competition organized by University of Kelaniya

#### Web Design for Beginners

Centre for Open & Distance Learning (CODL) – University of Moratuwa

#### Certificates on the LinkedIn platform

- NLP with Python for Machine Learning Essential Training
- Spring Boot 2.0 Essential Training
- Java Object Programming
- React Essential Training
- Git and GitHub

#### Scratch Coding Championship

Became a Champion ShilpaSayura Foundation

## TECHNICAL SKILLS

---

- **Programming** – Java, Python, JavaScript, PHP
- **Frameworks & Technologies** – React, Tailwind CSS, Spring Boot
- **Web Development** – HTML, CSS
- **Database** – MySQL, MongoDB
- **Tools** – Git & GitHub, Figma, Postman

## SOFT SKILLS

---

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

## COMMUNITIES

---

- Member of IEEE
- Represent as a Batch representative – 2<sup>nd</sup> year (2025)

## REFERENCE

---

### Dilini Thamarasee

Lecturer | Department of Computing  
Informatics Institute of Technology  
thamarasee.k@iit.ac.lk  
+94768209746

### Madushan Chathuranga

Senior Software Consultant  
Visa Worldwide Pte Ltd. Singapore  
mchathuranga4@gmail.com  
+94777170389