SHIVANKA MADDUMARACHCHI
COMPUTER SCIENCE UNDERGRADUATE

CONTACT

📞 071 369 1022

✉ shivankavindunie@gmail.com

📍 420/B, Dutugemunu Mawatha,Thalangama North, Battaramulla

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EDUCATION

2023- Present
UNIVERSITY OF WESTMINSTER (IIT SRI LANKA)
- Computer Science [B.Sc Hons]

2006- 2022
- Musaeus College - Colombo 07

EXPERTISE

- **Programming Languages:** Java, Python, JavaScript

- **Web Development:** React, HTML, CSS

- **Backend :** Spring Boot

- **Database:** MySQL

- **DevOps and Tools:** Figma, Axure , Git , Postman

PROFILE

Detail-oriented Computer Science student with experience in Java, React, and Python, alongside proficiency in HTML, CSS, and JavaScript. Passionate about UI/UX design and creating user-friendly applications. Skilled in both frontend and backend development, with a strong desire to apply technical and design expertise to real-world software and web development projects.

PROJECTS

- **Front End Development - Project Link**
  Designed the home page, navigation bar, footer, feedback form and the profile page for a Life on land website with Javascript functionality for feedback submission.

- **University Progression Outcome Predictor -Project Link**
  Developed a Python program to predict university student progression outcomes based on academic credits, implementing user-defined functions, error handling, and data storage in lists and text files. Enhanced the program with data visualization, using graphics.py to display a histogram of progression categories for multiple students.

- **Java Plane booking system -Project Link**
  Developed a Java-based plane seat management system using arrays, user input validation, and menu-driven commands for purchasing, canceling, and displaying tickets, as well as tracking available seats and calculating total sales. Integrated object-oriented principles by creating Person and Ticket classes to capture user and ticket information, including functions to search, sort, and report on bookings.

- **Real time Ticket Booking System- Project Link**
  I developed a concurrent ticketing system using Java (Spring Boot) and Angular, employing multi-threading and the Producer-Consumer pattern for ticket releases and purchases. The system features real-time WebSocket updates, synchronized transactions, and JSON data storage, ensuring thread safety and a responsive user experience with a CLI interface.

- **Clean Waves mobile App- Figma Design - Project Link**
  Designed a Figma prototype for Clean Waves, a marine conservation platform with intuitive navigation and engaging visuals. Key features include interactive dashboards, e-commerce integration, and real-time pollution tracking, creating an impactful and user-friendly experience for environmental awareness.

- **LegalX LK an AI powered website for Lawyers - https://legalxlk.com**
Worked as a UI/UX designer and frontend developer for LegalX LK, a web-based legal management system designed to help law firms and professionals streamline document organization, task management, and legal analysis. The platform features AI-powered document summarization, task scheduling, real-time government gazette updates, and role-based access control (RBAC) for secure user management. Contributed by designing Figma prototypes and developing key frontend components using React, including the login/signup pages, settings page, and AI chatbot interface. Also assisted in building an Acts web scraper to automate legal document retrieval. Focused on usability, accessibility, and seamless user experience to enhance efficiency in legal workflows.

ACHIEVEMENTS

- **3Bs for GCE A/L 2022/2023**
- **8As, 1B for GCE O/L 2019**
- **President Guide**
  - 23rd Colombo Guide company (2015-2023)
- **Musical Achievements**
  - Got awarded the certificate of Praveshika by Navara Sangit Vidyalaya affiliated to Bhatkhande Sangit Vidyapithi (Lucknow ,India) in 2014.
  - Got awarded the certificate of Prathma by Navara Sangit Vidyalaya affiliated to Bhatkhande Sangit Vidyapithi (Lucknow ,India) in 2016.
- **Dancing Achievements**
  - Got awarded the certificate of Prathma by North Sri Lanka Sangeet Sabha Jaffna in 2014.
- **Sports Achievements**
  - Participated in National Swimming Novices in 2017.

CERTIFICATIONS

- **Participated in Hult Prize- 2025**

REFERENCE

Shehan Kumar
Brand, Marketing and Communications Specialist.
Tel: +94727249324
Email: shehanrk@gmail.com

Sureni Maheshika Gamage
Software Engineer, Techlabs Global (pvt) Ltd
Tel: +94715310218
Email: surenidh@gmail.com