



# VIHANGI JAYASEKARA

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🔗 [vihangi-jayasekara-portfolio](#)

## SUMMARY

Recent Software Engineering graduate (Upper Second Class Honours, University of Westminster) with hands on experience in backend development, full-stack applications, and database management. Skilled in Java, Spring Boot, Node.js, REST APIs, Docker, PostgreSQL, and MySQL. Strong problem-solving, analytical, and teamwork abilities, with a passion for building scalable, secure, and high-performance software solutions

## TECHNICAL SKILLS

### Languages:

Java, NodeJS, ReactJS, PHP  
HTML, CSS, ExpressJS, C#  
Next.js

### Frameworks & Libraries:

Spring boot, Web Socket, Java FX,  
Java Swing, Mockito, Guava Cache  
.NET

### Database Systems:

Oracle, MySQL, SQLite3,  
PostgreSQL, Redis

## SOFT SKILLS

- Problem solving skills &
- Multitasking
- Focused and Hard working
- Self-Motivation

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern 2023(Jul) - 2024(Jul)

Epic Lanka Technologies (Pvt).Ltd

- Developed and tested RESTful APIs with Java, Spring Boot, JUnit, and Mockito for banking and financial systems.
- Implemented transaction scheduling and automated pending transaction notifications, optimizing bulk transaction processing.
- Migrated enterprise databases from Oracle to PostgreSQL, ensuring data integrity and performance.
- Built notification APIs for mobile/email alerts and corporate endpoints (Request to Pay/Recall Pending).
- Created system architecture diagrams and technical documentation for major financial integrations.
- Researched Docker, Linux server automation, MQTT, Firebase, and cryptography fundamentals for robust system design.

## EDUCATION

### BEng (Hons) Software Engineering | 2022 (Jan) - 2025 (Aug)

University of Westminster

Grade: Upper Second Honours

### GCE (A/L) Examination | 2020

Sanghamiththa Balika Vidyalaya, Galle

Physical Stream

- Combined Maths: A
- ICT: C
- Physics: S

### GCE (O/L) Examination | 2017

Sanghamiththa Balika Vidyalaya, Galle

## PROJECTS

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### Final Year Research Project

June 2024 – April 2025

Leveraging Change Point Detection for Enhanced Credit Card Fraud Detection

**Technologies:** Python Flask, Python Django, MySQL, Docker

- Developed a real-time credit card fraud detection framework using Change Point Detection with Isolation Forest, One-Class SVM, and LOF, significantly improving accuracy and reducing false positives.

### Windows Forms Calculator

Aug 2025

**Technologies:** C# (.NET, Windows Forms)

- Developed a desktop calculator application using C# and .NET Windows Forms that performs basic arithmetic operations including addition, subtraction, multiplication, and division with a user-friendly interface.

### TravelTales - Full Stack Travel Blogging Platform

Feb 2025 – May 2025

**Technologies:** Nodejs, ReactJS, Restful API, Docker, ExpressJS, JWT, SQLite3

- Developed a secure full-stack travel blog app with React frontend and Node.js/Express backend, integrating RestCountries API, user authentication, role-based access, CRUD features, and Dockerized backend with MVC architecture and robust validation.

### Skin Disease Analyzer For Detecting Skin, Identifying Diseases and a Platform to Manage Medical History [Second- Year Group Project]

Sep 2022 – April 2023

**Technologies:** Flutter, Python, Flask

- Developed a skin-disease detection system using machine learning to analyze skin images, identify diseases, and recommend dermatologists, with added features for managing medical history.

### Skin Consultation Centre Management System [Second- Year Project]

2022

**Technologies:** Java, Java Swing

- Developed a Java console and Swing GUI system for doctor scheduling, patient management, and consultation booking, featuring auto-allocation, cost calculation, and encrypted consultation notes.

### Java Multi-Threaded Systems

2025

**Technologies:** Java, Multithreading

- Developed thread-safe Java applications including a Coffee Shop Ordering System, Concurrent Banking System, and Shared Bathroom Simulation.

### “VLTV” Tourism Web App [First-Year Group Project]

2022

**Technologies:** HTML, CSS, JavaScript

- Created an interactive multi-page website with HTML, CSS, JavaScript, featuring dynamic invoices and form validation.

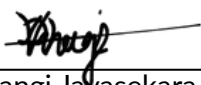
## REFERENCES

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Mr. Suresh Peiris  
Visiting Lecturer -  
Informatics Institute of Technology  
Director - Inforwaves (Pvt) Ltd.  
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I hereby certify above details are true and accurate to the best of my knowledge.

  
Vihangi Jayasekara

21 November 2025