



HIMAN WELGAMA

Software Engineering Undergraduate

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Motivated undergraduate in software engineering with a passion for cutting-edge technologies. Eager to apply my knowledge to real-world projects and collaborate with innovative teams. Strong interpersonal skills and a drive to make a meaningful impact in the tech industry.

SKILLS AND TECHNOLOGIES

PROGRAMMING LANGUAGES

- Java
- JavaScript
- Python
- PHP

FRAMEWORKS

- React-Native
- NodeJs
- Angular
- Express

OTHER TECHNOLOGIES

- HTML
- CSS
- SASS
- MySQL
- MongoDB

PERSONAL SKILLS

- Critical Thinking
- Time Management
- Teamwork
- Good communication

PROFESSIONAL INTERESET

- Software Engineering
- Full-Stack Development
- Mobile Application Development
- Web Development
- Software Testing and Automation

LANGUAGES

- English
- Sinhala

EDUCATION

● BEng (Hons) Software Engineering	01/2023 - Present Colombo
University of Westminster Informatics Institute of Technology	
Modules	
<ul style="list-style-type: none">• Object Oriented Programming• Computer System Fundamentals• Software Development I• Web Design and Development• Trends in Computer Science• Mathematics for Computing	<ul style="list-style-type: none">• Software Development II• Software Engineering Principles and Practice• Software Development Group Project• Database Systems Algorithms: Theory, Design, and Implementation• Server Side and Web Development
● Half Foundation	2022 Colombo
Informatics Institute of Technology	
● GCE Advanced Level - Biology Stream	2018-2021 Galle
Richmond College, Galle	
● GCE Ordinary Level	2017 Galle
Richmond College, Galle	

PROJECTS

Save Nest	01/2023 - Present Colombo
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A Streamlined Finance Management Mobile Application: Accessible for Finance Enthusiasts.

A cross-platform mobile application developed using React-Native for both IOS and Android environments. Tech Stack: React-native, NodeJS, Express JS, MySQL, Python, EXPO.

- Implemented **JWT (JSON Web Token)** authentication in the back end and seamlessly integrated it with the React Native front end for robust user verification.
- Utilized **Sequelize ORM** for streamlined database interactions, orchestrating structured database creation and management.
- Hosted on **AWS EC2** and deployed through GitHub Pages **CI/CD pipeline** for efficient updates.

Through the System

- Users can receive real-time price alerts when prices are changing on e-commerce websites.
- Users can update their spending by simply taking a photo.
- Expense Tracking
- Future price prediction
- Real-time alerts
- Chat-bot

[Git Repository Link](#)

Shopping Management Application

December 2023

A Streamlined Finance Management Mobile Application: Accessible for Finance Enthusiasts.

Online Shopping Center Application which consists of both console interface and Graphical User Interface to perform various management actions.

- Designed and implemented a concise Shopping Management System, emphasizing object-oriented programming principles. Developed a console menu for managerial tasks and a graphical user interface for client interactions, showcasing proficiency in Java programming and software design.
- Successfully incorporated the singleton design pattern and the factory design pattern into software solutions, enhancing code organization and maintainability.
- **Tech Stack: Java, Swing.**

[Git Repository Link](#)

POS-System

May 2024

- The Angular POS System is a modern web application built with Angular, offering intuitive interfaces for sales management. Integrated with Firebase, it enables real-time data synchronization and implements CRUD operations for efficient data handling. With features like inventory tracking and sales reporting, it empowers businesses to streamline operations effectively.
- **Tech Stack: Angular.**

[Git Repository Link](#)

Gaming instrument-selling website

August 2023

- Led the creation of a dynamic gaming instrument-selling website as part of a collaborative team effort.
- Developed user signup forms, and feedback submission features and implemented dynamic font size adjustment functionality
- **Tech Stack: HTML, CSS, and JavaScript principles to ensure an intuitive user experience.**

[Git Repository Link](#)

Snack King Queue Management System.

December 2023

- This Java program implements a queue management system for Snack King Food center, featuring array-based and class-based versions to handle customer queues, pizza stock management.
- **Tech Stack: Java.**

[Git Repository Link](#)

The Hidden-Peg-Game

November 2022

- The Python program was created to implement the code-breaking game concept called “The Hidden Peg Game”.
- **Tech Stack: Python.**

[Git Repository Link](#)

EXTRACURRICULAR ACTIVITIES

- A member of the Science Society of Richmond College 2018 - 2020
- A member of the School U-15 Cricket Team 2011 - 2014
- A member of the School Scrabble Team 2012 - 2016
- Secretary of the School English Literary Association 2019

REFERENCES

Saadh Jawwadh,
“Assistant Lecturer | Informatics Institute of Technology”,
Phone: +94 761533449
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Tharindu Balasuriya,
“Associate Software Engineer | “99x Technology”,
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