THARUKA KALANSURIYA

Address: Welterfreedon Gardens, Ganegoda, Akmeemana, Galle, Sri Lanka. 80090.

Phone: +94 775651243 / +94 724651243

Email: tharukakalansuriya@gmail.com

https://www.linkedin.com/in/tharuka-kalansuriya/

https://www.youtube.com/@UniTrack-o2n

https://github.com/TharukaKalansuriya

https://stackoverflow.com/users/23689767/tharuka-kalansuriya

SUMMARY

I am a third-year BSc Computing undergraduate with a strong foundation in web and mobile application development, database management, and full-stack development. I am a proactive self-learner who enjoys expanding my technical skills, with a particular interest in IoT and embedded systems. I thrive in both team-based and leadership roles and am eager to bring my knowledge and passion for problem-solving to an internship where I can contribute to innovative tech projects.

EDUCATION

Lanka Nippon Biztech Institute
BSc(hons) Computing (Information Systems) -
3rd Year Undergraduate Offered By University of Greenwich
current G.P.A 3.31

2022 - Present

Richmond College, Galle, Sri Lanka

- GCE Advance Level - Physical Science
- GCE Ordinary Level - 8 'A' Passes & 1 'B' Pass

2017 - 2022
2022 - Present

SKILLS

Programming Languages -Java , JavaScript , PHP , C++ , Dart , Python

Web Development - HTML , CSS , JavaScript , PHP

Mobile Development - Flutter, Android & ios basics

Database Management - MySQL, Firebase , PHPMyAdmin

Embedded Systems - Arduino , ASCII, Microcontrollers (8051, Atmega 32, PIC etc)

Softwares & Tools - Adobe Photoshop , Adobe Illustrator , Figma , Arduino IDE , Apache Netbeans , Papyrus , CS+ , VS Code , Android Studio

Frameworks - Flutter , Tailwind Css , Bootstrap, Django , Laravel, Next JS

LANGUAGES

Sinhala   English   Japanese

SOFT SKILLS

- Data Analysis
- Self-Learning
- Budgeting
- Communication Skills
- Problem-Solving

- Strategic Planning
- Training and mentoring
- Regulatory Compliance
- Critical thinking
- Adaptability
- Attention to detail

CERTIFICATES

Python for Beginners -University of Moratuwa
Python for Machine Learning - Great Learning
UI/UX for beginners - Great Learning
DSA in JAVA for intermediate level -Great Learning
Zero Trust Cyber Security Model - Imperative Concepts for Beginners - Alison
Information management - Alison
Gen AI 101 With Pieces - Pieces AI

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Captain- School Debating Team (Junior)	**(2018-2020)**
Captain- School Debating Team (Senior)	**(2020-2021)**
Resource Person/Treasurer /Demonstrator—Robotic Club LNBTI	**(2022-2023)**
Treasurer - Student Activity Club	**(2024-Present)**

PROJECTS

Attendance Management System   **December 2024**

Technologies: Tailwind CSS, HTML, PHP, Django, Python, Dart (Flutter), C++, Firebase

Developed a Flutter-based attendance mobile app with IoT integration, enhancing Django and Tailwind CSS skills while independently creating the mobile component and contributing to backend and frontend improvements.
- Skills obtained include teamwork, mobile application development, LAN protocols, and IoT.

Passport Automation System   **April 2024**

Technologies: Java, OOP with Java, MySQL, JSON Server

Developed a Java-based passport automation system with user registration, admin modules, and MySQL database, enhancing skills in object-oriented programming, Java, and secure database management.
- Skills obtained include OOP, time management, and self-learning.

Automated Rice Mill System   **January 2024**

Technologies: WOKWI Simulations, C++, Arduino Boards and Components

Developed an Arduino-based rice mill automation system with IoT integration, simulating the milling process and showcasing expertise in embedded systems and industrial process automation.
- Skills obtained include teamwork, demonstrating skills, leadership, and IoT integration.

"TSecure" Security Solution Website   **December 2023**

Technologies: HTML, CSS, JavaScript

Developed a responsive website for security solution sales featuring category-specific market pages and a user-friendly front-end design, ensuring seamless navigation, adaptability across devices, and interactive functionality for users.

Clothing Store Database   **January 2023**

Technologies: MySQL

Developed a MySQL database for a clothing store with role-based user validation and access privileges. Incorporated advanced MySQL features to ensure secure access control, efficient user management, and streamlined store operations.

- Skills obtained include database design, role-based access control, and optimization for store operations.

Craze Kicks – Sneaker Selling Web Application   **Ongoing**

Technologies: HTML, Tailwind CSS, JavaScript, PHP, PHPMyAdmin

Developing a sneaker e-commerce website with role-based access, an admin dashboard, and a PHPMyAdmin database. Skills obtained include front-end development with Tailwind CSS, back-end development using PHP, role-based access control implementation, and full-stack web development.

Portfolio Website   **Ongoing**

Technologies: Next.js, Tailwind CSS, Framer Motion, JavaScript, Google Fonts

Developed a Next.js portfolio using Tailwind CSS for styling and Framer Motion for animations, featuring image optimization, Google Fonts integration, and dark mode.

- Skills obtained include responsive and interactive portfolio design, front-end performance optimization, and styling with Tailwind CSS.

Mental Health Management Mobile Application (Research Ongoing)   **Ongoing**

Skills Focused On: AI data analysis, mental health application design, and behavioral insights tracking.

Developing a mobile application focused on managing the mental health of the younger generation. The application gathers user information through early morning and evening questionnaires, analyzes user data using AI (including search history and routines), and tracks stress levels. It provides analytical insights into mental states and sends notifications for severe conditions.

REFERENCES

Mr. Janith Udayanga Perera
Senior Lecturer, Head of Academics
Lanka Nippon Biztech Institute,
Maharagama, Sri Lanka.
Phone: +94 77 881 2865
Email: janithp@edu.lnbti.lk

Ms. Bhashini Wijewickrama
Senior Lecturer, Head of Academics
Lanka Nippon Biztech Institute,
Maharagama, Sri Lanka.
Phone: +94 74 394 3840
Email: bhashini@edu.lnbti.lk