

THARUSHA PERERA

Final-Year Computer Science Student | Software Engineer

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PROFILE

Computer Science undergraduate and former Software Engineer Intern specializing in building full-stack mobile and web applications. Proven experience in developing, testing, and deploying solutions using Flutter, React, and Node.js. Seeking a [Junior/Associate/Intern] Software Engineer role to contribute to user-centric product development.

EDUCATION

BSc (Hons) Computer Science

Expected Graduation: December 2025

UNIVERSITY OF PLYMOUTH - NSBM GREEN UNIVERSITY

This course covers a diverse array of topics, including Full-Stack Development, Artificial Intelligence and Machine Learning, Data Structures and Algorithms, Advanced Databases, Software Development Concepts, Design Patterns, Software Quality Assurance, HCI, Computer Graphics, Visualization, Mobile Application Development, Statistics, and etc.

G.C.E Advance Level (Physical Stream)

2021

Dharmaraja College - Kandy

TECHNICAL SKILLS

Programming Languages

HTML, CSS, Dart, JavaScript, TypeScript

Frameworks and Libraries

React.js, Next.js, Flutter

Backend & Database Technologies:

Node.js, Express.js, Firebase, REST APIs

Version Control

Git, GitHub

Design and Prototyping

Figma

EXPERIENCE

Software Engineering Intern

I O N Groups Pvt Ltd – Colombo, Sri Lanka

Dec 2024 – May 2025

- Designed and developed new features for advanced mobile applications using Flutter and for web applications using React.js.
- Contributed to the full software development life cycle (SDLC), writing clean, testable code and integrating components into functional systems.
- Collaborated with cross-functional teams to define, implement, and ship new product features.
- Debugged existing applications to ensure smooth operation and improve system stability.

PROJECTS

Fitness Center Management System (Focus Fitness)

2025

Role: Frontend and Backend developer

Developed a web-based fitness management platform that allows gym members to check in via QR code, renew memberships online, and track their fitness progress, while providing gym owners and administrators with real-time dashboards for managing attendance, payments, and performance analytics.

Next.js, TypeScript, Express.js, Node.js, Firebase Firestore (for backend)

Comprehensive Healthcare Management Platform (MediLink)

2025

Role: Frontend and Backend developer

Developed a digital healthcare ecosystem (MediLink) as my final year university project to connect patients, doctors, hospitals, and administrators through a unified platform. Includes AI lab report processing, medical data management, appointment scheduling, and real-time communication via a mobile app and two web dashboards.

Flutter, Dart, Firebase, React.js, Node.js, Express.js, Tailwind CSS, Google Document AI, Python, APIs, Figma

Emergency Ambulance and Hospital Communication System (RescueMed)

2024

Role: Frontend and Backend developer

Developed an emergency ambulance and hospital communication system (RescueMed) to streamline real-time communication between hospitals and ambulances during emergencies. Including mobile application and two web dashboards.

Flutter, Dart, Firebase, React.js, Node.js, Express.js, Tailwind CSS, APIs, Figma

CERTIFICATIONS

Web-APIs

NASBA | Sep 2024

[\(Show credential\)](#)

Git Essential Training

LinkedIn | Aug 2024

[\(Show credential\)](#)

React

LinkedIn | Sep 2024

[\(Show credential\)](#)

Agile Software Development

LinkedIn | July 2024

[\(Show credential\)](#)

ACHIEVEMENTS

- **1st Runner Up - GreenEXE 2.0 Development Competition**

1st Runner up - (RescueMed)

Finalist - (Focus Fitness)

organized by student circle of Software Engineering - NSBM

- **1st Runner Up - Madfest 24' Mobile Application Development Competition**

1st Runner up - (Focus Fitness)

organized by student circle of Software Engineering - NSBM

- **Competitor- NBQSA National ICT Awards**

Sri Lankan section of the BCS The Chartered Institute for IT.

REFERENCES

Mr. Diluka Wijesinghe

*Lecturer (Temporary) - Department of
Software Engineering and Information
Systems Faculty of Computing NSBM
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Mrs. Hirushi Dilpriya Thilakarathna

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Data Science Faculty of Computing
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