



# THARUSHI DE SILVA

IT UNDERGRADUATE

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## PROFESSIONAL OVERVIEW

Motivated IT undergraduate passionate about software engineering and application development. Skilled in designing end to end systems, integrating frontend and backend components, and ensuring security and usability in software solutions. Strong interest in solving real-world problems through innovative software and capable of working effectively within a team environment. Committed to continuous learning, contributing to team success, and delivering impactful solutions.

## EDUCATION

### University of Moratuwa, Faculty of Information Technology

May 2023 - July 2027

- BSc.(Hons) in Information Technology

### Lyceum International School (Nuwara Eliya)

2019-2021

- G.C.E Advanced Level Examination
- Combined Mathematics | Physics | ICT

### N/ Good Shepherd Balika Maha Vidyalaya

2011-2020

- G.C.E Ordinary Level Examination

## PROJECTS

### Embula (Group Project - Team of 2)

Ongoing

- Tech Stack:** Next.js | Tailwind CSS | SpringBoot | MySQL
- GitHub Repo**
- A restaurant website with menu showcase, shopping cart, secure payments, and table reservation system.
- Features: Main page, About Us page, real-time table reservation system that allows customers to pre-book dine-in slots, AI-powered chatbot for menu navigation, reservations, and customer support, Contact Us and feedback pages to enhance customer interaction.
- My Role (Full Stack Developer): Homepage with promotional offers, Table reservation page, and AI chatbot.

### PresCrypt (Group Project)

September 2024 - July 2025

- Tech Stack:** ASP.NET Core (.NET 8) | Next.js | MS SQL | Python Flask
- GitHub Repo**
- Mentored by Creative Software**
- A doctor patient management system with patient, doctor, and admin portals.
- Features: Appointment booking and rescheduling, prescription handling, chat and video consultations, in-app notifications and emails, report generation for all roles, and an AI chatbot for patient portal navigation, appointment guidance, and patient support.
- My Role (Full Stack Developer): Authentication and authorization, AI chatbot development, and patient health data access control

### My Portfolio (Individual Project)

August 2025

- Tech Stack:** Next.js | Tailwind CSS
- GitHub Repo**
- Portfolio Link**
- A responsive personal portfolio to showcase my projects, skills, achievements and also serves as a professional profile.

## FlagX

September 2024 - October 2024

- Tech Stack:** React | Ballerina | MongoDB
- FlagX is a premium smartphone comparison platform that helps users easily compare flagship smartphones with real time data and launch updates. It offers a smooth experience with live device comparisons and updates from official sources.
- My Role: Frontend Developer

- **Tech Stack:** Arduino | C++
- An automated water tank cleaning system with sensors, pumps, and rotating brushes controlled by Arduino and ESP32.
- The system monitor water levels, automated the cleaning cycle, and ensured removal of sediments and contaminants without human intervention.
- My Role: Control the cleaning liquid pump in the cleaning system and handle the ultrasonic sensor for counting water cycles.

Capstone Project (Individual Project)

August 2022

- **Tech Stack:** Angular | Node.js | Express.js | SQLite
- **GitHub Repo**
- This is a School Information Management System that supported full CRUD operations for managing teacher and student data.

TECHNICAL SKILLS

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|---------------------------------------|--|
| • <b>FRONTEND DEVELOPMENT</b>         | Next.js , Tailwind CSS , Material UI , React.js , HTML , CSS |
| • <b>BACKEND DEVELOPMENT</b>          | Spring Boot, ASP.NET 8 , Flask , PHP                         |
| • <b>PROGRAMMING LANGUAGES</b>        | C, C# , Java , JavaScript , Python                           |
| • <b>DATABASE MANAGEMENT</b>          | MSSQL , MySQL , SQLite , MongoDB                             |
| • <b>VERSION CONTROL</b>              | Git , GitHub   |
| • <b>DEVELOPMENT TOOLS</b>            | Visual Studio , VS Code , Postman                            |
| • <b>AI &amp; CHATBOT INTEGRATION</b> | NLP Basics   |
| • <b>DESIGN &amp; PROTOTYPING</b>     | Figma  |

ACHIEVEMENTS

- 2nd Runner up - J'PURAXTREME Hackathon 0.1
- Top 10 Finalists - UOJ Coders.
- 6<sup>th</sup> place - INTECS CODERUSH 2024.
- Top 10 Finalists - CodeJam by CSE 2025.
- Outstanding volunteer of IEEE WIE for month November.
- Selected for the 2<sup>nd</sup> round of the InterfaceX Designathon 2025 powered by ASTA.
- Participant of INTECS CODERUSH 2023.
- Participated in IEEE Xtreme 18.0 Programming Competition.

VOLUNTEERING & LEADERSHIP

- Event Co-Chair, Project ENGINEUNITY 2.0 by IEEE WIE Student Branch Affinity Group, UOM.
- Delegate Handling Committee Member: Innovate with Ballerina
- Programme & Technical Committee Member: IEEE Xtreme 18.0 and Mora Xtreme 9.0
- Design Committee Member: Computer Society IEEE SB UOM and IEEE (RAS) SB UOM
- Design Committee Member: IEEE WIE UOM.
- Publicity Committee Member: Octwave 2.0 by IEEE IAS UOM.
- Editorial Committee Member: IEEE TEMS UOM.
- Team Member, MARCOM Team AIESEC in Sri Lanka.
- Member of IT Faculty Orchestra "FIT Tunes".

SKILLS

- Team collaboration and Effective communication.
- Leadership and team coordination.
- Time management and project management.
- Problem Solving and debugging.
- UI/UX Design thinking.
- Secure code practices.

INTERESTS

- Travelling
- Playing Guitar
- Volunteering
- Doing Exercises

REFERENCES

<b>Mr. Kugathasan Shanjeeva</b> Technical Lead   Creative Software +94 77 378 4047 Shanjeeva@creativesoftware.com	<b>Mr. Kasun Chathuranga</b> Senior Software Engineer   Creative Software +94 77 577 0397 kasun.p@creativesoftware.com	<b>Ms. M.N. Chandimali</b> Lecturer Faculty of Information Technology University of Moratuwa +94 71 079 2617 nipunic@uom.lk
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