



THARUSHI DE SILVA

IT UNDERGRADUATE

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GitHub

HackerRank

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

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

ACHIEVEMENTS

- 2nd Runner up - J'PURAXTREME Hackathon 0.1
- Top 10 Finalists - UOJ Coders.
- 6th place - INTECS CODERUSH 2024.
- Top 10 Finalists - CodeJam by CSE 2025.
- Outstanding volunteer of IEEE WIE for month November.
- Selected for the 2nd 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 ENGINIUTY 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

Mr. Kugathasan Shanjeeva

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Mr. Kasun Chathuranga

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