THARUSHI DE SILVA
SOFTWARE ENGINEER INTERN

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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 *2023 May - 2027 July*
- 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| Spring Boot | MySQL**
- **GitHub Repo**
- A website for a restaurant with a food menu showcase, shopping cart, and secure online payments. Integrated with a table reservation system for customers to pre-book dine-in slots and AI chatbot for menu navigation, reservations, and customer support. Added a Contact Us and feedback page to enhance customer interaction and service quality.
- My Role: Developing the reservation page, integrating an AI chatbot to enhance interactivity, and designing the homepage to display discounts and promotional offers.

PresCrypt - Doctor Patient Management System (Group Project) *2024 September-2025 July*
- **Tech Stack: ASP.NET Core (.NET 8)| Next.js| MS SQL| Python Flask**
- **GitHub Repo**
- **Mentored by Creative Software**
- A system with patient, doctor, and admin portals for seamless role-based access. Enabled patients to book appointments and connect with doctors through integrated chat and video call features. Incorporated prescription handling, appointment scheduling, and an AI chatbot for portal navigation and assistance.
- My Role: Authentication and Authorization, AI Chatbot and Patient's Health Data Access Control .

CarVo - Vehicle Service Management System (Group Project) *2025 October - 2025 November*
- **Tech Stack: Spring Boot | Next.js | Tailwind CSS | MySQL**
- **GitHub Repo**
- A vehicle service management platform for employees, customers, and administrators to manage service tasks and workflows efficiently.
- My Role: Frontend & Partial Backend Developer — Frontend development in the Employee Portal, including Upcoming Tasks, Work Log and Time Tracking, and Part Request features. Implemented backend APIs for part request section.

LeaderTailors Website (Client Project) *2025 October*
- **Tech Stack: Next.js | Tailwind CSS**
- **GitHub Repo | Website Link**
- A website built for a business in Katubedda, Sri Lanka, to digitalize operations and enhance customer engagement.
- My Role: Frontend Development of the Blazer Rental module, enabling customers to view, select, and reserve blazers online with real-time availability and a responsive, user-friendly interface .

My Portfolio (Individual Project)

2025 August

- **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 (Group Project)

September - October 2024

- **Tech Stack: React | Ballerina | MongoDB**
- A premium smartphone comparison platform that enables users to compare flagship devices using real-time specifications and launch updates.
- My Role: Frontend Developer

Water Tank Cleaning System - Hardware Project (Group Project)

2024 February - July 2024

- **Tech Stack: Arduino | C++**
- Developed an automated water tank cleaning system using sensors, pumps, and rotating brushes controlled by Arduino and ESP32 to monitor water levels and automate cleaning cycles.
- My Role: Managed the cleaning liquid pump control and integrated the ultrasonic sensor for water cycle detection..

Capstone Project (Individual Project)

August 2022

- **Tech Stack: Angular | Node.js | Express.js | SQLite**
- **GitHub Repo**
- 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**   ASP.NET 8 , Spring Boot, Flask , PHP
- **PROGRAMMING LANGUAGES**   C, C# , Java , JavaScript , Python
- **DATABASE MANAGEMENT**   MSSQL , MySQL , MongoDB
- **VERSION CONTROL**   Git , GitHub
- **DEVELOPMENT TOOLS**   Visual Studio , VS Code , Postman
- **AI & CHATBOT INTEGRATION**   NLP Basics
- **DESIGN & PROTOTYPING**   Figma

VOLUNTEERING & LEADERSHIP

- Event Co-Chair, Project ENGINUITY 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".

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.
- Participant of INTECS CODERUSH 2023.
- Participated in IEEE Xtreme 18.0 Programming Competition.

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
- Hiking

REFERENCES

Mr. Kugathasan Shanjeeva
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