THARUSHI DE SILVA

THIRD YEAR UNDERGRADUATE AT UNIVERSITY OF MORATUWA

ABOUT ME

I am a motivated IT undergraduate with a keen interest in Software Engineering and UI/UX design. I am currently pursuing a BSc (Hons) in Information Technology at the Faculty of IT, University of Moratuwa, I enjoy blending creativity with technology to build meaningful user experiences and efficient systems. Alongside these interests, I am also curious about Artificial Intelligence and enthusiastic about exploring its real-world applications. I'm eager to grow through hands-on projects and contribute to innovative, impactful solutions.

CONTACT INFORMATION

- in Linkedin
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- ✉ desilva.tharushiw@gmail.com
- 🌐 My Personal Portfolio
- ⊙ GitHub
- Ⓗ HackerRank
- M Medium

EDUCATION

BSc.(Hons) in Information Technology
University of Moratuwa
Faculty of Information Technology
2023 – Present

G.C.E Advanced Level Examination
Lyceum International School (Nuwara Eliya)
Combined Mathematics| Physics| ICT
2019-2021

G.C.E Ordinary Level Examination
N/ Good Shepherd Balika Maha Vidyalaya
2011-2020

PROJECTS

Embula
● Ongoing
- **Tech Stack: Next.js| Tailwind CSS| SpringBoot | MongoDB**

An website for a restaurant that offers a smooth and interactive user experience. The system includes user authentication, a product catalog, shopping cart, and payment processing. An AI chatbot is also integrated to improve the customer interaction.

PresCrypt
2024-2025
- **Tech Stack: ASP.NET Core (.NET 8)| Next.js| MS SQL|Python Flask**
- **GitHub Repo**

PresCrypt is a Doctor Patient Management System that connects patients, doctors for managing health records, appointments, prescriptions, real-time communication, chatbot assistance.
- **My Role: Authentication and Authorization, AI Chatbot and Health Data Access Control.**

My Portfolio
2025
- **Tech Stack: Next.js | TailwindCSS | ASP.NET Core**
- **GitHub Repo**
- **Portfolio Link**

A responsive personal portfolio to showcase my projects, skills, achievements and also serves as a professional profile.

Water Tank Cleaning System
2024
- **Tech Stack: Arduino | C++**

An automated water tank cleaning system to replace manual cleaning and ensure safe water use. It featured rotating brushes, sensors, and water pumps controlled by Arduino and ESP32 Microcontroller.

FlagX
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.

Technical Skills

FRONTEND DEVELOPMENT

- Next.js
- React.js
- Tailwind CSS
- HTML
- Material UI
- CSS
- Node.js

BACKEND DEVELOPMENT

- ASP.NET 8
- Flask
- PHP
- Spring Boot (Beginner)

PROGRAMMING LANGUAGES

- C
- JavaScript
- C#
- Python
- Java

DATABASE MANAGEMENT

- MSSQL
- SQLite
- MySQL
- MongoDB (Beginner)

VERSION CONTROL

- Git
- GitHub

DEVELOPMENT TOOLS

- Visual Studio
- VS Code
- Postman

AI & CHATBOT INTEGRATION

- Google Gemini API
- NLP Basics (Beginner)

DESIGN & PROTOTYPING

- Figma

REFERENCES

Mr. Kugathasan Shanjeeva
Technical Lead | Creative Software
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Shanjeeva@creativesoftware.com

Mr. Kasun Chathuranga
Senior Software Engineer | Creative Software
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Ms. M.N. Chandimali
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Capstone Project

2023

- **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.

ACHIEVEMENTS

- 2nd Runner up of J'PURAXTREME Hackathon 0.1
- Selected for Finalists of UOJ Coders.
- 6th place in INTECS CODERUSH 2024.
- Selected for Finalists in 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

Leadership & Event Coordination

- Event Co-Chair, Project ENGINUITY 2.0
  IEEE WIE Student Branch Affinity Group, UOM
  - Coordinated a long-term technical event series.
  - Collaborated with industry experts for knowledge-sharing sessions.
  - Led planning, team coordination, and task delegation.

Other Contributions

- 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.
- Design Committee Member: IEEE (RAS) SB UOM.
- Design Committee Member: XpertsMora'24 BY IEEE IAS 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

- Collaboration and Communication.
- leadership and team coordination.
- Time Management and Multitasking.
- Problem Solving and Debugging.
- UI/UX Design Thinking.
- Secure code practices.

INTERESTS

- Travelling
- Playing Guitar
- Volunteering
- Doing Exercises