



THARANI JAYATHURA

Software Engineering Intern (Undergraduate)

BSc (Hons) in Information Technology & Management

University of Moratuwa

CONTACT

+94 71 25 99 785

tharanijayathura1@gmail.com

Shantha , Ullala , Kamburupitiya

[tharanijayathura](#)

[LinkedIn](#)

[GitHub](#)

TECHNICAL SKILLS

Programming Languages :

- C, Python, Java, JavaScript

Web Development :

- Frontend: React.js, HTML, CSS, Blazor (C#), Material UI, Tailwind CSS
- Backend: Node.js, Express.js, Firebase (Auth, Firestore, Storage, Hosting)
- MERN Stack (MongoDB, Express, React, Node.js)

Databases :

- MongoDB, MySQL, Firebase
- Firestore

Frameworks & Libraries :

- MERN Stack, Laravel

Tools & Platforms :

- Postman, VS Code, Git, GitHub

Other Skills :

- UI/UX Design, Responsive Design
- JWT Authentication, API Integration

PROFILE

A motivated 3rd-year undergraduate at the University of Moratuwa, pursuing a BSc (Hons) in IT and Management. I am seeking an internship opportunity to apply my programming knowledge, problem-solving skills, and passion for technology-driven solutions. I aim to contribute to impactful projects while enhancing my expertise in software development, system design, and emerging technologies.

EDUCATION

- **BSc (Hons) in Information Technology and Management**
University of Moratuwa 2023- PRESENT
- **Ordinary Level (O/L) Examination**
St Thomas Girl's High School Matara
8A, 1B Grades 2017
- **Advanced Level (A/L) Examination**
St Thomas Girl's High School Matara
ABC Grades | Z Score -1.56 2021
- **Advanced Certificate in English**
National Institute of Business Management (NIBM) 2022
- **Certificate in Full Stack Web & Mobile App Development -**
Udemy 2025
- **Object Oriented Programming in Java**
Coursera (University of California, San Diego) 2025

PROJECTS

- **Visitor Management System**
2024 (Second-Year Software Project, ZILLIONe Technologies)
 - Functions: A full-stack web system developed using React.js, Node.js/Express.js, and MongoDB to streamline visitor handling. The system allows visitors to pre-register appointments online, hosts to approve or reject requests with automated email confirmations, and security staff to verify check-in/out using unique codes. Administrators can oversee all visitor activity through a centralized dashboard, maintain a detailed visitor logbook, generate reports, and view analytics such as live visitor statistics, peak visiting hours, and feedback. The platform enforces role-based access for Admins, Hosts, Security, and Visitors, ensuring security, efficiency, and accountability across the university.
 - My Contribution: Developed the Admin modules, including the dashboard with live statistics and notifications, user details and registration (with automated emails), editing/deleting/searching users, user blocking (with reports and email alerts), and the admin profile with logout functionality.
 - Technologies Used: React, Vite, Node.js, Express.js, MongoDB, JWT, Multer, Cloudinary, Nodemailer
 - GitHub Repositories:
 - Frontend: [Frontend Link](#)
 - Backend: [Backend Link](#)
- **Jayathura LifeCare - Smart Online Pharmacy Platform (Ongoing)**
 - Developing a MERN-stack based digital pharmacy system for Sri Lanka that streamlines prescription handling, pharmacist-managed medicine catalogs, and OTC ordering. Key features include auto-billing, chronic patient auto-refill, audio dosage instructions, real-time delivery tracking, in-app/email notifications, patient ratings, secure payments (gateway & COD), and role-based access for patients, pharmacists, and admin.
 - Technologies Used: MERN Stack, React Hooks, Node.js, MongoDB Atlas, JWT, MUI, Axios, GitHub Repository: github.com/tharanijayathura/Jayathura-LifeCare

SOFT SKILLS

- Teamwork
- Communication
- Problem Solving
- Time Management
- Adaptability
- Creativity
- Discipline

FAMILIAR TOOLS

- Git, GitHub
- VS Code
- Postman
- Photoshop
- Illustrator
- Canva

HOBBIES & INTERESTS

- Outdoor Games: Badminton, Football, Cricket, Elle
- Painting & Canvas Art
- Hiking
- Learning New Technologies

AWARDS

- Colours Award for SLUG (Sri Lanka University Games) from Elle Sport 2023
- SLUG 2025 - Expected Colours Award
- Player of the Match-FIT SIXES 2K25 (Women's Series)

LANGUAGES

- English (Fluent)
- Sinhala (Fluent)

Lost & Found Hub - React Native Mobile App -2025

- A mobile app designed for university students to report lost or found items, upload images, and contact item owners. Includes category filtering and student-only access.
- **Technologies:** React Native, Expo, Firebase Authentication, Firestore, Storage.
- **GitHub:** <https://github.com/tharanijayathura/lost-and-found-hub>

Personal Portfolio Website

- Showcased projects, skills, and experiences in a professional online format.
- **Technologies used:** React for frontend, Material-UI (MUI) for styling and components, JavaScript for interactivity, Gmail API for email options
- **GitHub:** github.com/tharanijayathura/tharani-portfolio

Pacman Game — JavaScript (Frontend Game Project)-2025

- A browser-based Pacman game where the player navigates a maze, collects points, and avoids ghosts. Implements collision detection, game physics, score tracking, and smooth character movement. Designed with modular code and a clean UI to demonstrate strong front-end logic and game development skills.
- **Technologies:** HTML5 Canvas, JavaScript (ES6), CSS3, Event Listeners, Game Loops.
- **GitHub:** <https://github.com/tharanijayathura/packman>

Kitchen Assistant - Recipe & Meal Helper App (Ongoing)

- A web application that lets users explore recipes, view ingredients, search by categories, and learn how to prepare meals.
- **Technologies:** React, TypeScript, Material-UI, Spring Boot, Express.js, PostgreSQL, OpenAI API, JWT, REST APIs
- **GitHub Repository:** <https://github.com/tharanijayathura/Kitchen-Assistant>

GameStore Web App (Ongoing)

- Blazor-based game collection manager with animated UI and full CRUD operations
- **Technologies:** Blazor, .NET 9.0, C#, CSS3, Bootstrap
- **GitHub:** <https://github.com/tharanijayathura/GameStore-Blazor>

Automated Liquid Dispensing Machine

2023-2024 (First Year Hardware Project)

- Built an automated liquid dispensing system using Arduino and sensor integration.
- Implemented hardware-software interaction: sensors detect the gallon, and the dispensing arm adjusts automatically.
- Developed automation logic to calculate dispensed volume and generate a bill.
- Gained hands-on experience in circuit design, programming Arduino, and controlling actuators.
- Strengthened problem-solving, project planning, and execution skills.
- Learned how technology can simplify real-world processes and applied practical innovation in early projects.

School Management System using PHP (Laravel) 2023

- Managed student and teacher records and course information with a CRUD-based system. Implemented database integration with MySQL and backend logic using PHP (Laravel).
- Basics of web application development. Handling data for multiple entities (students, teachers, courses, batches, enrollments). Hands-on experience in building fully working CRUD systems. Even as a simple first-year project, it provided valuable foundational skills in software development and inspired me to take on more complex projects.
- **GitHub:** <https://github.com/tharanijayathura/myfirstapp>

EXTRACURRICULAR ACTIVITIES

- Member of IEEE Student Branch, University of Moratuwa

- Athlete & Sports Participation

-Skilled in cricket, badminton, and volleyball.
-Participated in SLUG Elle Sports 2023, reached quarter-finals, and
-awarded Colours.
-Participating in SLUG 2025, expecting Colours Award.

- Art & Design

Enjoy drawing and designing creative projects.

- Code Rush 2024 Participant

Competed in coding event organized by INTEC.

- Player of the Match - Women's Series, FIT SIXES 2K25

Recognized for outstanding performance and key contribution to the team victory in the annual cricket tournament organized by the Faculty of Information Technology, University of Moratuwa.

REFERENCE

Dr.S.W.A.M.Upamalika

Lecturer (Probationary)
Department of Computer Science Faculty of Science
University of Ruhuna
Matara - Sri Lanka.

Phone: +94 77 637 4408

Email: samarawikcramau@dcs.ruh.ac.lk

Dr. C.P. Wijesiriwardena

Student Counsellor
Email: chaman@uom.lk