



# 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

<b>Visitor Management System</b> <b>2024 (Second-Year Software Project, ZILLIONe Technologies)</b>	<ul style="list-style-type: none"><li>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.</li><li>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.</li><li>Technologies Used: React, Vite, Node.js, Express.js, MongoDB, JWT, Multer, Cloudinary, Nodemailer</li><li>GitHub Repositories:<ul style="list-style-type: none"><li>Frontend: <a href="#">Frontend Link</a></li><li>Backend: <a href="#">Backend Link</a></li></ul></li></ul>
<b>Jayathura LifeCare - Smart Online Pharmacy Platform (Ongoing)</b>	<ul style="list-style-type: none"><li>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 &amp; COD), and role-based access for patients, pharmacists, and admin.</li><li>Technologies Used: MERN Stack, React Hooks, Node.js, MongoDB Atlas, JWT, MUI, Axios, GitHub Repository: <a href="https://github.com/tharanijayathura/Jayathura-LifeCare">github.com/tharanijayathura/Jayathura-LifeCare</a></li></ul>

## 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, Firebase Firestore, Firebase 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](https://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