



THARANI JAYATHURA

SOFTWARE ENGINEERING INTERN
(UNDERGRADUATE)

CONTACT

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TECHNICAL SKILLS

Programming Languages :

C, Python, Java, JavaScript

Web Development :

- Frontend: React.js, HTML, CSS, Material UI, Tailwind CSS
- Backend: Node.js, Express.js
- Full-Stack: MERN Stack (MongoDB, Express, React, Node.js)

Databases :

MongoDB, MySQL

Frameworks & Libraries :

MERN Stack, Laravel

Version Control & Collaboration:

Git, GitHub

Tools & Platforms :

Postman, VS Code

Other Skills :

Responsive Design, UI/UX Design

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

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: MERN stack (MongoDB for database, Express.js for backend, React for frontend, Node.js for server-side logic).
- **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

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

LANGUAGES

- English (Fluent)
- Sinhala (Fluent)

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.

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.

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.

REFERENCE

Dr.S.W.A.M.Upamalika

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