

# THIMETH SATHMIKA

## SOFTWARE ENGINEERING UNDERGRADUATE



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[Portfolio](#)

[LinkedIn Profile](#)

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### SUMMARY

Motivated software engineering undergraduate specializing in creating seamless user interfaces. While I have a strong foundation in full-stack development, my primary passion lies in Frontend Engineering and UI/UX. I am eager to bring my eye for detail and positive growth mindset to a dynamic team where I can learn and contribute effectively.

### EDUCATION

#### Sri Lanka Institute of Information Technology

2023 - Present

- BSc (Hons) in Information Technology Specializing in Software Engineering (GPA: 3.3/4.0)

#### Swarna Jayanthi Vidyalaya, Kegalle

2015 - 2023

- GCE O/L & A/L (Engineering Technology)

### PROJECTS

#### Ceylon Trails – Social Travel Platform | Aug 2025 - Oct 2025

- Developed a responsive social travel platform featuring AI-powered content discovery, interactive route mapping, and community engagement tools. Implemented secure authentication and a personalized folder system to efficiently organize user-generated travel logs and media.
- Technologies: **MERN Stack, OpenAI API, Google Maps API, Cloudinary**

#### Safe Cert – Industrial Safety & Compliance App | Sep 2025 - Oct 2025

- Engineered a multi-language safety app featuring real-time incident reporting and text-to-speech capabilities for accessible workforce communication. Integrated generative AI to automatically create training quizzes, streamlining certification tracking and enhancing user engagement.
- Technologies: **React Native (Expo), TypeScript, Firebase, Cloudinary, Google Gemini API**

#### Launch Window – Space Launch Aggregator | Nov 2025 - Jan 2026

- Created a real-time aggregation hub for space launches, synchronizing mission data and live streams via multiple external APIs. Engineered a robust backend to handle complex global countdown logic and automated content updates for space enthusiasts.
- Technologies: **MERN Stack, YouTube Data API, Launch Library API**

#### Vehicle Service Center Management System | Mar 2025 - Jun 2025

- Developed a dual-interface platform enabling customers to book appointments, track service history, and utilize AI diagnostics for vehicle issues. Simultaneously automated business operations through comprehensive inventory, staff, finance, and supplier management modules to streamline workflow efficiency.
- Technologies: **MERN Stack, OpenAI (Diagnostics), Nodemailer**

#### Smart Spend – Native Android Finance Tracker | May 2025 - Jun 2025

- Developed a native, offline-first Android application using Kotlin and Shared Preferences for secure personal expense tracking. Implemented MVVM architecture to ensure clean code structure while delivering an intuitive, budget-focused user experience.
- Technologies: **Kotlin, Android Studio, XML, MVVM**

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Kotlin, Java, Python, SQL, HTML, CSS

**Frontend:** React.js, Next.js, Tailwind CSS, GSAP

**Backend:** Node.js, Express.js, RESTful API Development, API Integration

**Mobile:** Android Development (Native/Kotlin), Expo

**Database:** MongoDB, MySQL

**DevOps & Tools:** VS Code, Git/GitHub (Version Control), Jira, Postman

**Design & Prototyping:** Figma, Canva

## PROFESSIONAL SKILLS

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**Methodologies:** Agile Development, Scrum Management, Design Thinking

**Collaboration:** Cross-functional Teamwork, Pair Programming

**Personal:** Critical Thinking, Attention to Detail, Creative Thinking, Leadership

**Documentation:** Technical Writing, Requirement Analysis

**Languages:** English (Fluent), Sinhala (Native)

## LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

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**Former Deputy Head Prefect of Swarna Jayanthi Vidyalaya**

2022 - 2023

**Sports - Wushu (Martial Arts)**

- Achieved Stage 2 Proficiency: Demonstrated dedication and discipline through consistent training and progression in Wushu martial arts.

## REFERENCES

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**Mr. S.M.B. Harshanath Senior Lecturer, SLIIT**

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