

THIMETH SATHMIKA

SOFTWARE ENGINEERING UNDERGRADUATE

+94 76 469 7209 sathmikakb@gmail.com

[Portfolio](#)

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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

Swarna Jayanthi Vidyalaya, Kegalle

2015 - 2023

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

PROJECTS

Ceylon Trails – Social Travel Platform

- Built 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

- 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, Google Gemini API**

Vehicle Service Center Management System

- 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**

Launch Window – Space Launch Aggregator

- 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**

Smart Spend – Native Android Finance Tracker

- 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

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

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

Backend: Node.js, Express.js

Mobile: Android Development (Native/Kotlin), Expo

Database: MongoDB, MySQL

DevOps & Tools: VS Code, Git/GitHub, Jira, Postman

Design & Prototyping: Figma, Canva

PROFESSIONAL SKILLS

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

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

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

- Email: harshanath.s@sliit.lk
- Phone: +94 11 754 3988