

Thuverakan Tharumakulasooriyan

Software Engineer

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🐙 GitHub • 🔗 LinkedIn • 🌐 Portfolio

PROFILE

Dedicated and enthusiastic IT undergraduate seeking a Software Engineering Intern role. Gained hands-on experience in software development, **Agile methodologies**, and **DevOps practices** through academic projects and personal applications. Proficient in programming languages, web and mobile development frameworks, cloud services, and database systems. Eager to apply technical skills and passion for software engineering to deliver impactful solutions within a collaborative team.

WORK EXPERIENCE

Software Engineer Intern

2025 Aug - 2026 Feb

HABB Private Limited

- **Engineered full-stack solutions** with seamless deployment pipelines using **CI/CD and DevOps** best practices, optimizing release speed and reliability.
- **Architected and managed cloud infrastructure** on AWS, ensuring scalability, security, and high availability for client applications.
- **Led cross-functional team efforts**, translating client requirements into actionable features and successfully delivering the project ahead of schedule.

EDUCATION

SLIIT (Sri Lanka Institute of Information Technology)

2023 May - Present

BSc (Hons) in Information Technology Specializing In Software Engineering

CGPA: 3.36

Kn/Kilinochchi Maha Vidyalayam

2008 - 2021

GCE A/L (Physical Science)

Results: 2CS | Z-Score: 0.7737

TECHNICAL SKILLS

Programming Languages:	Java, C#, C++, Python, Dart, JavaScript, Go(Golang)
Web Technologies:	React, Node.js(Express.js), Next.js, Laravel, Spring Boot, Flask, HTML5, CSS3, Material UI, Tailwind, Bootstrap, REST APIs, Redux
Scripting Languages:	Bash, R
Mobile Development:	Flutter (Cross-platform), Android Native (Kotlin, Java, XML)
Databases:	MongoDB, MySQL, PostgreSQL, Firebase, ORDB, Supabase
DevOps & Cloud:	Linux, Docker, Nginx, Jenkins, CI/CD pipelines, Github Actions, Azure, AWS, Digital Ocean, Apache
Testing:	Junit, Jest, Selenium
Automation & Tools:	WordPress, Jira, N8N
UI/UX Design Tools:	Adobe Photoshop, Adobe XD, Figma

PROJECTS

Polymart – Eco Plastics Management System 🌱

Feb 2025 – May 2025

• Led a full-stack eco-commerce project promoting plastic recycling. Managed planning, system design, and team collaboration. Developed role-based authentication, admin dashboard, Stripe payment integration, invoice generation (Node.js + PDF), and responsive UI using React + Material UI.

Technologies: **MERN | Material UI | Stripe | JWT**

MovieVerse – Movie Rating and Review System 🌐 🎬

Feb 2025 – Mar 2025

• Developed “MovieVerse,” a movie rating and review platform using dynamic data from the TMDb API. Built responsive, interactive UIs with Next.js and Tailwind, implemented search, authentication, favorites, and integrated YouTube trailers. Designed light/dark themes to enhance user experience.

Technologies: **Next.js | Tailwind CSS | TMDb REST API | YouTube API**

To-Do Application – DevOps Project 🐙

Jun 2025 – Jul 2025

• Developed and deployed a full-stack To-Do application using AWS, Docker, and GitHub Actions, showcasing the integration of development and operations workflows. Implemented containerization for consistent environments, automated CI/CD pipelines **for testing and deployment**, and hosted the application on AWS for scalable access.

Technologies: **AWS | Docker | GitHub Actions | CI/CD | Full-Stack Development**

Safe Mother – Maternal Health Mobile Application

Jan 2025 – Oct 2025

• Developed a maternal health mobile app using Flutter and Firebase, enabling health tracking, appointment scheduling, and personalized care guidance. Integrated a **TensorFlow-based AI risk alert** system, multi-language support (Sinhala/Tamil/English), secure authentication, **real-time chat**, and **push notifications** for enhanced maternal care.

Technologies: **Flutter | Dart | Firebase | Cloud Firestore | AI Risk Alerts | Multi-language Support**

HABBGATE – Real-Time Access Control System

Nov 2025 – Feb 2026

• Developed **HABBGATE**, a real-time access control system associated with **HABB**, supporting **RFID**, **NFC**, **barcode**, and **card-based authentication**. Integrated **SMS gateway** for instant alerts and notifications. Built the backend with **Laravel**, deployed on **AWS** using **Nginx**, and configured **Crons** for scheduled tasks. Implemented real-time alerts and monitoring to ensure secure and efficient access management. Collaborated with the team to gather requirements and lead key deployment phases.

Technologies: **Laravel | MySQL | AWS | Nginx | SMS Gateway | Real-Time Alerts | Cron Jobs**

MyRupees – Personal Finance Tracker Android App

Apr 2024 – Jun 2024

• Developed a personal finance tracking app focused on helping users manage income, expenses, and budgets. Key features include user login, category-wise expense tracking, recurring payments, and budget alerts. local data storage using SQLite, and CSV export for reporting, all within a mobile-first, intuitive UI.

Technologies: **Kotlin | XML | SQLite**

CERTIFICATES

Fundamental C# with Microsoft | freecodecamp
AZ-900T00-A - Microsoft Azure Fundamentals | Microsoft
Full Stack Development | CODL University of Moratuwa
MongoDB Java Developer Path | MongoDB University
5-Day AI Agents Intensive Course | Google and Kaggle
AWS Master Course | AWS
CodeArena Hackathon – Intermediate Participant | KDU
Coderally Hackathon – Participant | IIT Colombo
BashWay 25 | SLIIT

CO-CURRICULARS

IEEE Student Branch of SLIIT Member	2024 - Present
Mozilla Community of SLIIT Active FOSS Community member contributing to open-source projects.	2025 - Present
Future Leaders Conference Sri Lanka Unites Participant of the national youth leadership summit focused on reconciliation, leadership, and social impact, organized by Sri Lanka Unites.	2018

LANGUAGES

English (Professional Working Proficiency)
Tamil (Native)
Sinhala (Intermediate)

REFERENCE

Ms. K. G. M. Lakmali

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