

NISHMIKA EKANAYAKA

Sri Lanka

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Summary

Software Engineering undergraduate who has built 5+ end-to-end web and mobile systems using Node.js, Spring Boot, React, and Docker. Experienced in solving non-trivial problems including real-time communication, geospatial matching (PostGIS), and AI-assisted automation with measurable performance outcomes. Actively seeking an Intern Software Engineer role to contribute production-ready code to real-world systems.

Education

University of Sri Jayewardenepura

July 2023 – Expected 2027

Bachelor of ICT (Hons), Specialization in Software Technology

Sri Lanka

- Current CGPA: 3.50 / 4.00

Rahula College, Matara

2022

G.C.E. Advanced Level (Technology Stream)

Sri Lanka

- Results: 3 As

Technical Skills

Programming Languages: TypeScript, Java, Python, SQL

Backend Technologies: Node.js (NestJS, Express), Spring Boot

Frontend Technologies: React, Next.js, React Native, Tailwind CSS

Databases & Data Handling: PostgreSQL, MongoDB



Tools & Platforms: Git, GitHub, Docker, Docker Compose, Postman

Operating Systems & Environments: Linux (basic command-line usage), Containerized Environments

Projects



ResQ – Real-time Emergency Response Platform | Next.js, NestJS, PostGIS, Mapbox

Nov – Dec 2025

- Implemented a real-time geospatial map (PostGIS/Mapbox) during flood crises to filter incidents by proximity (10km), reducing responder discovery time for localized rescue efforts.
- Followed secure coding practices to implement OAuth and JWT-secured session management for sensitive emergency data.
- Optimized system performance through server-side pagination to handle large-scale volunteer datasets efficiently.
-  Live Demo |  GitHub



SkillSync.ai – AI-Powered Career Assistant Extension | NestJS, Gemini AI, TypeScript

Jan 2026

- Delivered instant CV and job description analysis with NestJS and Gemini AI, generating structured match scores and ready-to-send email templates for streamlined job applications.
- Built a Chrome Extension with TypeScript to automate data extraction and match results directly in the browser, improving application efficiency.
- Ensured secure data handling and fast API communication between the extension and backend for reliable, responsive performance.
-  Live Demo |  GitHub



HydraTrack – Mobile Water Intake Tracker | React Native, Spring Boot, Docker

Dec 2025 – Jan 2026

- Ensured secure, accurate hydration tracking and streak persistence across devices through a robust backend with JWT authentication.
- Helped users visualize hydration trends and stay motivated to meet daily goals with a smooth, real-time UI (60 FPS) and interactive data visualizations.
- Enabled reliable deployment across environments and reduced setup time for developers and testers by containerizing the full stack with Docker Compose.
-  Live Demo |  GitHub



Hangout – Temporary Real-time Chatroom Platform | React, Node.js, Socket.IO, MongoDB

Oct – Nov 2025

- Facilitated real-time audience engagement during conferences by allowing users to join temporary chatrooms via room ID and post opinions or answers instantly.
- Built a high-performance, event-driven backend with Node.js and Socket.IO to handle concurrent participants and live messaging.
- Implemented secure authentication with JWT, including email verification and password reset, and designed a responsive, mobile-first UI with Tailwind CSS for safe and accessible communication.
-  Live Demo |  GitHub

Travel Ceylon – Travel Booking Platform | *MERN Stack*

Apr – Dec 2025

- Developed RESTful APIs in Node.js enabling real-time taxi booking and rental filtering.
- Maintained a shared Git repository with multiple contributors, ensuring reliable collaboration and code quality.
- Integrated backend services with the frontend for seamless, accurate user interactions.
-  Live Demo |  GitHub

Certifications

Docker Foundations Professional Certificate

Dec 2025

Docker Inc. & LinkedIn Learning

Learning Git and GitHub

Dec 2025

LinkedIn Learning

Spring Boot 3 Essential Training

Dec 2025

LinkedIn Learning

References

Dr. D. L. Chamara Pramod Liyanage

Senior Lecturer (Grade II)

University of Sri Jayewardenepura, Faculty of Technology

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Mrs. Sankani Heenkenda

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