NISHMIKA EKANAYAKA

Sri Lanka

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Summary

Full-Stack Developer and ICT Honors student specializing in React, Spring Boot, Node js. Proven track record in building Dockerized, real-time applications and spatial (PostGIS) platforms. Dedicated to bridging complex backend logic with high-quality UX in a professional software engineering internship.

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

Languages: TypeScript, JavaScript, Java, Python, SQL
Frontend: React, Next.js, React Native, Tailwind CSS, Expo
Backend: Node.js (NestJS, Express), Spring Boot, REST APIs, JWT
Databases: PostgreSQL (PostGIS), MongoDB, Prisma ORM
DevOps & Tools: Docker, Git, GitHub, Mapbox, Cloudinary, Postman

Projects

ResQ – Real-time Emergency Response Platform | *Next.js, NestJS, PostGIS, Mapbox*   **Nov – Dec 2025**

- Developed a real-time platform with **PostGIS** to query volunteers within a **10km radius** and Mapbox for live incident visualization.
- Implemented **server-side pagination** and OAuth to efficiently handle large datasets and reduce login friction during emergencies.
- Integrated **Twilio SMS** for instantaneous status updates and responder alerts.
- 🎥 Live Demo: youtube.com/resq-demo
- 🔗 GitHub: github.com/nishmikaeka/resq-platform

SkillSync.ai – AI-Powered Career Assistant | *React, NestJS, Gemini AI, Chrome API*   **Jan 2026**

- Developed a **Chrome Extension** that extracts job descriptions via content scripts for automated matching against PDF CVs using **Gemini 1.5 Flash**.
- Built a **NestJS** backend to return structured JSON analysis for match scoring and automated cover email generation.
- Implemented local storage persistence to secure user data and eliminate manual data entry into LLMs.
- 🎥 Live Demo: youtu.be/skillsync-demo
- 🔗 GitHub: github.com/skillsync.ai

HydraTrack – Mobile Water Intake Tracker | *React Native, Spring Boot, Docker*   **Dec - Jan 2026**

- Built a cross-platform app with **React Native Reanimated**, achieving **60 FPS** real-time progress visualizations.
- Engineered a **Spring Boot 3** backend with JWT auth, ensuring **100% data consistency** for hydration trends and streaks.
- Containerized the ecosystem via **Docker Compose** for seamless environment parity across development and production.
- 🎥 Live Demo: youtu.be/hydratrack
- 🔗 GitHub: github.com/nishmikaeka/hydratrack

Hangout – Real-time Chatroom Platform | *React, Node.js, Socket.IO, MongoDB*   **Oct – Nov 2025**

- Developed a real-time chat platform supporting timed sessions and host-controlled rooms via **Socket.IO**.
- Implemented messaging, image sharing, and JWT-secured session management with a mobile-first **Tailwind CSS**.
- 🎥 Live Demo: youtu.be/hangout
- ⓞ GitHub: github.com/nishmikaeka/hangout

Travel Ceylon – Travel Booking Platform | *MERN Stack*   **Apr – Dec 2025**
- Contributed to the development of the taxi booking module, focusing on rental/hiring flows and real-time availability filtering.
- Collaborated within an **Agile team** to build REST APIs and responsive mobile-first interfaces using Tailwind CSS.
- 🎥 Live Demo: youtu.be/travelceylon
- ⓞ GitHub: github.com/Travel-Ceylon

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)**
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