

# NISHMIKA EKANAYAKA

Homagama, Sri Lanka

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## Summary

Software Engineering undergraduate with hands-on experience developing multiple real-world full-stack applications. Experienced with **Node.js**, **Spring Boot**, **React**, **Docker**, and **AWS**, building high-performance and user-centric full-stack systems. Focused on designing efficient, reliable software that delivers smooth and responsive user experiences.

## Technical Skills

**Languages:** JavaScript, Java, Python, SQL

**Backend:** Node.js (NestJS, Express), Spring Boot, JWT, OAuth

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

**Databases:** PostgreSQL, MongoDB

**Cloud & Deployment:** AWS EC2, Docker, Linux, Nginx Reverse Proxy

**Tools:** Git, GitHub, Postman

## Projects

### ResQ – Real-time Emergency Response Platform | *Next.js, NestJS, PostGIS, Mapbox, EC2*

November – December 2025

- Implemented a real-time geospatial incident discovery system using PostGIS and Mapbox to identify nearby emergencies within a custom radius (10km) during flood crises, and deployed on AWS EC2 using Nginx reverse proxy.
- Designed secure and scalable REST APIs with OAuth and JWT authentication, optimizing query performance and pagination to maintain consistent responsiveness under growing data load.
- Launch App | Live Demo | GitHub

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

January 2026

- Developed backend services leveraging the Gemini LLM API to analyze CVs and job descriptions and generate structured match scores and application-ready outputs.
- Integrated AI-powered backend services with a Chrome Extension to deliver low-latency, in-browser insights while ensuring secure data handling.
- Live Demo | GitHub

### Travel Ceylon – Travel Booking Platform | *MERN Stack*

April – December 2025

- Co-developed an all-in-one travel platform serving as a hub for local service providers to list taxi, accommodation, and travel services, enabling tourists and locals to discover and book offerings from a single interface.
- Designed and integrated RESTful backend APIs for real-time bookings and advanced filtering while collaborating in a 5-member team using a shared Git workflow.
- Live Demo | GitHub

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

December 2025 – January 2026

- Built a secure Spring Boot backend with JWT authentication to track hydration data and maintain user streaks across devices with a aesthetic UI.
- Delivered a smooth, real-time mobile experience and containerized the full stack using Docker Compose to ensure consistent deployments.
- Live Demo | GitHub

### Hangout – Temporary Real-time Chatroom Platform | *Node.js, Socket.IO*

October – November 2025

- Built an event-driven real-time messaging backend capable of handling concurrent users with low-latency bidirectional communication.
- Optimized performance using in-memory state management and designed room lifecycle logic for efficient resource cleanup and predictable system behavior.
- Launch App | Live Demo | GitHub

## Education

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### University of Sri Jayewardenepura

*Bachelor of ICT (Hons), Specialization in Software Technology*

**July 2023 – Expected 2027**

*Sri Lanka*

- Current CGPA: 3.50 / 4.00

### Rahula College, Matara

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

**2022**

*Sri Lanka*

- Results: 3 As

## Certifications

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### Docker Foundations Professional Certificate

**December 2025**

*Docker Inc. & LinkedIn Learning*

### Introduction to Programming Using Python

**November 2024**

*Kaggle*

### Learning Git and GitHub

**December 2025**

*LinkedIn Learning*

### Spring Boot 3 Essential Training

**December 2025**

*LinkedIn Learning*

## Volunteering

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### Touch the Peak - Annual Job Fair

**2024**

*Career Skills Development Society, University of Sri Jayewardenepura*

*Sri Lanka*

- Coordinated company outreach for the annual job fair by contacting organizations via phone and confirming their participation.
- Maintained and updated the employer participation list to support smooth event planning and communication.

## References

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### Dr. D. L. Chamara Pramod Liyanage

**Senior Lecturer (Grade II)**

*Sri Lanka*

*University of Sri Jayewardenepura, Faculty of Technology*

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### Mrs. Sankani Heenkenda

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