

NISHMIKA EKANAYAKA

Sri Lanka

Phone: +94 70 331 9399 Email: nurannishmika22@gmail.com Portfolio: nishmika.me

GitHub: github.com/nishmikaeka LinkedIn: linkedin.com/in/nishmika-eka

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 <i>Bachelor of ICT (Hons), Specialization in Software Technology</i>	July 2023 – Expected 2027
	<i>Sri Lanka</i>
• Current CGPA: 3.50 / 4.00	
Rahula College, Matara <i>G.C.E. Advanced Level (Technology Stream)</i>	2022
• Results: 3 As	<i>Sri Lanka</i>

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 <i>Next.js, NestJS, PostGIS, Mapbox</i>	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 <i>NestJS, Gemini AI, TypeScript</i>	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 <i>React Native, Spring Boot, Docker</i>	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 <i>React, Node.js, Socket.IO, MongoDB</i>	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)

Sri Lanka

University of Sri Jayewardenepura, Faculty of Technology

- Email: dlchamara@sjp.ac.lk
- Phone: +94 76 652 0645

Mrs. Sankani Heenkenda

Senior Lecturer

Sri Lanka

University of Sri Jayewardenepura, Faculty of Technology

- Email: sankaniheenkenda@sjp.ac.lk
- Phone: +94 76 652 0645