

# NISHMIKA EKANAYAKA

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## SUMMARY

Impact-driven Full-Stack Developer delivering fast, scalable solutions to real-world problems. Solo-built ResQ—a real-time emergency response platform prototype—in 3 weeks using Next.js, NestJS, PostGIS, Mapbox, and Twilio, proving rapid end-to-end ownership of geospatial and communication systems. Also shipped Hangout (real-time chatroom) and contributed to Travel Ceylon (MERN stack travel and tourism platform).

Expertise in TypeScript, React, PostgreSQL, MongoDB, and Node.js, leveraging this proficiency in real-time architecture to deliver clean architecture, smooth UX, and build impact-driven, mobile-first applications that scale.

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## PROJECTS

### ResQ – Real-time Emergency Response Platform

Nov - Dec 2025

Full-Stack Developer (Solo)

[Live](#) | [Github](#)

- Designed and shipped a real-time emergency response prototype in 3 weeks that connects victims with nearby volunteers during floods and landslides
- Implemented draggable Mapbox pins with PostGIS geospatial queries, real-time incident tracking, and instant Twilio SMS alerts (“Help is on the way!”)
- Built end-to-end using Next.js, NestJS, Turborepo, PostgreSQL + PostGIS (Neon), Tailwind CSS
- Fully deployed on Vercel + Railway and open-source – ready for real-world use

### Hangout – Real-time Chatroom Platform

Oct - Nov 2025

Full-Stack Developer (Solo)

[Live](#) | [Github](#)

- Built a real-time chat app with host-controlled rooms, participant limits, image sharing, and timed sessions using Socket.IO
- Enabled instant joining via meeting code or email invitation (Nodemailer + Brevo), no signup required
- Full MERN stack with React, Node.js, Express, MongoDB, Cloudinary, JWT, and Tailwind CSS

### Travel Ceylon – Travel Booking Platform

April - August 2025

Frontend Developer (Team of 5)

[Github](#)

- Developed the complete taxi booking module including renting/hiring flows, real-time availability filtering, detailed listings, and booking confirmation
- Built responsive, mobile-first interfaces with Tailwind CSS and integrated with Node.js/Express backend APIs
- Full MERN stack with React, Node.js, Express, MongoDB, Cloudinary, JWT, and Tailwind CSS
- Contributed to production deployment on Vercel serving real users

- Developed the complete transactions module – enabling users to track income/expenses by category, filter by date/type, and view real-time updates
  - Delivered a clean, mobile-first finance dashboard that helps users visualize spending habits and manage monthly budgets effortlessly
  - Full MERN stack with React, Node.js, Express, MongoDB, Cloudinary, JWT, and Tailwind CSS
  - Contributed to production deployment on Vercel serving real users
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## EDUCATION

**Bachelor of Information and Communication Technology (Hons)****July 2023 -Expected 2027**

University of Sri Jayewardenepura, Sri Lanka

- Specialization in Software Technology
- 3<sup>rd</sup> Year Undergraduate
- Current CGPA: 3.50(3<sup>rd</sup> year)

**G.C.E. Advanced Level****2022**

Rahula College, Matara, Sri Lanka

- 3As
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## ADDITIONAL INFORMATION

- **Technical Skills:** Next.js, React, TypeScript, NestJS, Node.js, Express, PostgreSQL, MongoDB, Prisma ORM, Socket.IO, Cloudinary, JWT Auth, Git/GitHub, Tailwind CSS, REST & Real-time Systems, Geospatial Development
  - **Languages:** Sinhala(Native), English(Fluent)
  - **Soft Skills:** Solo & Team Delivery, Problem-Solving Under Pressure, Clear Communication, Agile Workflow
  - **Tools:** VS Code, Git/GitHub, Postman, Prisma Studio, Vercel, Railway, Neon Console, Mapbox Studio, Cloudinary, Figma (for handoff)
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## REFERENCES

**Mrs. Sankani Heenkenda**

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