Randula Tharaka

(Software Engineer)

Portfolio | GitHub | LinkedIn | +94 77 871 9766 | iamrandula@gmail.com

SKILLS

Languages & Databases: Java, JavaScript, TypeScript, HTML5, CSS3/Sass, MySQL, MongoDB,
Frameworks & Libraries: Spring Boot, React, Express, Node, Redux Toolkit, Tailwind CSS, Bootstrap
Tools & Platforms: Git, Docker, Postman, Google Cloud Run, REST APIs, JSP & Servlet, Cursor, Claude

EDUCATION

- **Bachelor in Information Technology**, University of Colombo — **Nov 2022**
  (Coursework**:** Object-Oriented Programming & Design, D.S. & Algorithms, Web Development, System Security)
- **MERN Stack Course**, University of Colombo — **May 2025**
- **Oracle Certified Associate Course**, ANC-NetAssist International — **Aug 2019**
- **Isipathana College**, Colombo 05 — **2007-2015**

SOFTWARE PROJECTS

Sethyana: Car Rental Management System | GitHub

- Developed full-stack Spring Boot application managing 6 core operational entities (reservations, vehicle fleets, drivers, packages, customers, and payments) with automated billing.
- Implemented RESTful APIs secured with Spring Security for role-based access control (manager, receptionist, driver).
- Integrated automated email (JavaMailSender) and SMS (Twilio) booking notifications for automated booking confirmations.
- Developed reporting module for revenue analytics and mobile friendly driver portal for job management.
- Containerized with Docker and deployed to Google Cloud Run utilizing CI/CD pipelines.
- **Tech Stack:** Java, Spring Boot, MySQL, JavaScript, Bootstrap, Docker, Google Cloud Run & SQL

TechMartX: e-Commerce Platform | Website, GitHub

- Developed full-stack MERN application for product browsing, shopping cart, checkout workflow, and order tracking.
- Built responsive UI with React, Redux Toolkit (RTK Query), React-Bootstrap, and JWT role-based authentication.
- Created admin dashboard for CRUD operations across products, users, reviews, and order fulfillment.
- Leveraged Mongoose for schema modeling, query optimization, pagination, and keyword search.
- Implemented secure routing and custom error-handling middleware for protected checkout, user profile, and admin routes.
- **Tech Stack:** React, Redux Toolkit, Node.js, Express.js, MongoDB, React-Bootstrap, Postman, Bcrypt

Department of Government Factory Official Website | Website in Progress

- Architecting a complete public website redesign modernizing digital presence with responsive government branding.
- Developing multilingual routing (English, Sinhala, Tamil) utilizing next-intl and locale-based dynamic resolution.
- Built interactive 'Projects across Sri Lanka' map with province-level hover cards using custom SVG/GeoJSON and Leaflet.
- Engineered modular React components, structured content templates, and server/client component optimization.
- **Tech Stack:** Next.js (App Router), React, TypeScript, Tailwind CSS, next-intl, Leaflet, Node.js, Git, Cursor

EMPLOYMENT

ICT Assistant: Department of Government Factory

- Spearheading the official web platform redesign and migration to Next.js App Router, Tailwind CSS, and TypeScript.
- Engineered automated weekly SQL Server database backup pipelines to NAS storage for the EasyTime attendance system.
- Administered departmental IT infrastructure, local networking operations, and end-user technical support across workstations.
- Formulated comprehensive technical specifications and compliance evaluation sheets for departmental IT asset procurements.
- Enhanced digital presence and public outreach by producing social media content for departmental services.
- Mentored and supervised technical interns over a 6-month placement, leading them through website redesign tasks and operational troubleshooting workflows.