



Thathsara Dinuwan

Software Engineering Undergraduate

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Links

- [Portfolio](#)
- [GitHub](#)

Skills

- TypeScript
- Java
- JavaScript
- C++
- Python
- Flutter
- Node.js
- Firebase
- MySQL
- MongoDB

Professional summary

Full-stack developer focused on building modern web applications. Proficient in developing scalable backends and interactive frontends using **Next.js, Node.js, and TypeScript**. Experienced in integrating and deploying cloud services such as **AWS and Firebase**. A quick learner who adapts rapidly, contributing strong technical and problem-solving skills within Agile development teams.

Work experience

Software Engineering Intern

Kingteza Software Solutions, Malabe

Mar 2025 - Sep 2025

- Built and maintained full-stack web applications using **React.js, Next.js, Node.js, TypeScript and PostgreSQL**.
- Built responsive user interfaces with modern frameworks (Vite, Ant Design) and robust backend services with RESTful APIs.
- Implemented authentication/authorization (**Firebase, Auth0**) and managed database operations with **Prisma ORM**.
- Collaborated with UI/UX and backend teams to debug and optimize applications, enhancing performance, UX, and cross-browser compatibility.
- Operated in an Agile team using Git and Jira for full-feature lifecycle development.

Education

BSc (Hons) in Information Technology (Specializing in Software Engineering)

Sri Lanka Institute of Information Technology

Jun 2022 - Present

- Dean's Lister (2022 - 2023): Recognized for academic excellence

Projects

Movieverse web

Nextjs, Tailwind CSS, TypeScript

Dec 2024 - Present

- Developed a movie platform by integrating the **TMDB API** for film data and the **YouTube API** to embed trailers.
- Implemented **user authentication** and a **personalized multi-list watchlist**.
- Optimized performance and user experience through **server-side rendering** with Next.js and a responsive, type-safe frontend.
- Continuously expanding the platform by integrating new features** based on user feedback and personal experimentation.

Smart Medix Healthcare System

Jul 2024 - Oct 2024

MERN Stack, Tailwind CSS, Recharts, JavaScript

- Developed a feature rich **Hospital Management System** with role-based dashboards for administrators, doctors, and patients.
- Created a core **admin analytics dashboard** using **Recharts** to visualize and track 12-month data in appointments, revenue, and patient flow.

- Engineered key operational features include **doctor search and filtering**, **appointment scheduling**, and **patient record management**.

Shopiflow Shopping Mall Web Application

Jun 2024 - Oct 2024

MERN Stack, Tailwind CSS, JavaScript

- Developed a shopping mall management platform enabling customers to digitally discover stores, browse products, and view promotions.
- Engineered a unique core **virtual queuing system** that allowed users to join and manage shop queues remotely, significantly improving in-person customer flow.
- Built a **responsive admin interface** for mall staff to monitor queue status and manage offers, contributing to efficient operations.

Atlaso

Jul 2025 - Aug 2025

Vite, Tailwind CSS, JavaScript

- Developed a comprehensive country information hub by integrating the **REST Countries API** to display real-time data like demographics, currencies, and languages for every nation.
- Implemented **advanced user features** including multi-criteria search (by name, region, currency), dynamic filtering, and secure **user authentication with Firebase**.
- Delivered **engaging user experience** with a fully responsive, animated interface designed for clarity and seamless interaction across all devices.

DashDrop Express (Web Application)

Mar 2024 - May 2024

MERN Stack, Node Mailer, Tailwind CSS, JavaScript

- Led a team of **8** in the full-stack development of a courier service platform, from initial planning to deployment.
- Engineered core functionalities including **online package ordering**, **real-time delivery tracking**, and **automated email notifications** using Node Mailer.
- Architected the system for **efficient management** of orders, driver assignments, and customer communications, ensuring reliable service operations.

ShopEase New York

Nov 2024 - Mar 2025

Flutter, Firebase

- Developed a **cross-platform e-commerce app** with a full product catalog, advanced search/filtering, and seamless shopping cart and checkout flow.
- Built a complete **user account system** with Firebase for authentication, enabling order tracking and a personalized wish-list feature.
- Enhanced user engagement by implementing **Firebase Cloud Messaging (FCM)** for push notifications on new products, promotions, and order updates.

WasteWise

Jun 2024 - Oct 2024

Flutter, Firebase, Firestore

- Engineered a **waste management platform** featuring **GPS-based pickup scheduling** (Google Maps integration) and organized **waste type categorization** for streamlined operations.
- Built a **two-sided marketplace** with a **recycled products store** for users and a **real-time vendor dashboard** to manage and respond to pick up requests.
- Implemented **push notifications** (Firebase Cloud Messaging) to keep users informed about new products and schedule updates, driving engagement.