

THATHSARA DINUWAN

SOFTWARE ENGINEERING STUDENT

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PROFILE

Motivated third-year Software Engineering student at the Sri Lanka Institute of Information Technology in Malabe, adept in the MERN stack, Next.js, Firebase, and . Excited to apply my skills in dynamic companies, contributing through innovative projects. Currently strengthening my expertise in advanced web development techniques, and advanced MongoDB functions, while utilizing modern cloud platforms for application deployment.

SKILLS

Java	Python	Project Management
JavaScript/TypeScript	Firebase	Leadership and Teamwork
Dart	Proficient in English	Problem-solving

EDUCATION

BSc (Hons) in Information Technology Specializing in Software Engineering	2022 - Present
Sri Lanka Institute of Information Technology Malabe	
<ul style="list-style-type: none">GPA: 3.4 / 4.0	

PROJECTS

<u>Shopiflow (Mall Shop Management Web Application)</u>	↗Demo	Jun 2024 - Oct 2024
<ul style="list-style-type: none">A shopping mall management system with a unique virtual queue, eliminating long wait times and offering product, promotion, and shop management.Developed feature for customers to view detailed ongoing promotions and for shop owners to manage their shop promotions via their login.Contributed to shops and product management systems for better organization.Technologies: React, Node.js, MongoDB		
<u>Smart Healthcare System (Web Application)</u>	↗Demo	Jul 2024 - Oct 2024
<ul style="list-style-type: none">Book and manage appointments, manage patients and doctors, analysis and documentation of the hospital stats with role based access.Developed a data analytics dashboard using the many different charts, providing insightful analysis.Enhanced user experience with responsive design and implemented role-based access control for security.Technologies: React, Node.js, MongoDB, Recharts		
<u>Movieverse web</u>	↗Demo	December 2024 - Present
<ul style="list-style-type: none">Designed and developed MovieVerse, a feature-rich movie exploration platform using the TMDB API practicing RESTFUL APIs and third party integrations.Added a robust search functionality to allow users to find movies by title.Developed genre-based filtering to enhance movie discovery based on user preferences.Integrated user authentication with sign-in and sign-up features for a saving watchlist.Technologies: Nextjs, Tailwind CSS		

DashDropExpress (Web Application)

March 2024 - May 2024

- Developed a courier service management system, leading a team of 8 as Team Leader and Developer.
- Implemented user authentication with JWT tokens and **OTP verification** using NodeMailer.
- Built a responsive React.js frontend and a robust backend with Node.js and Express.js.
- Technologies: **MERN Stack, NodeMailer, Tailwind CSS**

WasteWise (Mobile Application for Sustainable Cities)

Jun 2024 - Oct 2024

- A mobile app made for waste pickup schedule management and purchasing recycled items
- Built the Recycled Products Marketplace, a fully functional e-commerce platform for purchasing items like biodegradable bags and bottles.
- Implemented profile, login, and register pages with Firebase and Firestore integration.
- Technologies: **Flutter, Firebase, Firestore**

ShopEase New York (Fully functional E-commerce mobile app)

November 2024 - Present

- Developed Shopease New York, a user-friendly e-commerce mobile app for seamless shopping.
- Implemented a product catalog with detailed descriptions, images, and prices.
- Added search and filter options for efficient product browsing by category, price, and brand.
- Integrated user accounts for order tracking, saving favorites, and managing preferences.
- Designed a shopping cart for smooth checkout and a wish list for future purchases.
- Technologies: **Flutter, Firebase, other third party packages(Provider, Lottie,)**

GalaxyGlide (Android Game)

March 2024 - May 2024

- Designed and developed an engaging space adventure game using Android Studio.
- Introduced unique touch-and-drag controls for maneuvering the spaceship horizontally.
- Implemented a scoring system based on meteor type, with increasing game speed for added challenge.
- Integrated a lives system with three initial lives, and a high-score tracker displaying the all-time best score.
- Technologies: **Kotlin, XML**

TaskFlow (To-Do List App)

Feb 2024 - May 2024

- Developed a sleek and intuitive Android to-do list application using Android Studio.
- Added functionality for users to add, edit, and delete tasks seamlessly.
- Designed light and dark modes to enhance user experience based on preference.
- Technologies: **Kotlin, XML**