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, proficient in the MERN stack, Node.js, Java, and MongoDB. Passionate about applying my skills in software development to solve complex problems and contribute to innovative projects. Currently deepening my knowledge in Python, PHP, and JavaScript.

SKILLS

Java	Python	Project Management
JavaScript	Leadership and Teamwork	Responsive Design
Dart	Proficient in English	Critical Thinking

EDUCATION

BSc (Hons) in Information Technology Specializing in Software Engineering   **2022 - Present**
Sri Lanka Institute of Information Technology | Malabe
- GPA: 3.4 / 4.0

PROJECTS

<u>Smart Healthcare System (Web Application)</u>   **Jul 2024 - Oct 2024**
- Developed a data analytics dashboard using the many different charts, providing insightful analysis based on selected time ranges.
- Created downloadable reports for all system aspects, aiding administrative decision-making.
- Enhanced user experience with responsive design and implemented role-based access control for security
- Technologies: **React, Node.js, MongoDB, Recharts**

<u>Shopiflow (Mall Shop Management Web Application)</u>   **Jun 2024 - Oct 2024**
- Implemented the Promotion Management Module, enabling shop owners to create, manage, and showcase promotions (percentage or fixed discounts) with a user-friendly interface for customers.
- Designed features for customers to view detailed promotion information and for shop owners to manage promotions via their login.
- Contributed to shops and product management systems for better organization.
- Technologies: **React, Node.js, MongoDB**

<u>WasteWise (Mobile Application for Sustainable Cities)</u>   **Jun 2024 - Oct 2024**
- Built the Recycled Products Marketplace, a fully functional e-commerce platform for purchasing items like biodegradable bags and bottles.
- Added features for users to leave reviews on purchased products and buy items directly without a shopping cart.
- Implemented profile, login, and register pages with Firebase and Firestore integration.
- Technologies: **Flutter, Firebase, Firestore**

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**

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**

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**