

PERSONAL DETAILS

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 https://github.com/Sandarukaushan999/Sandaru_kaushan

 <https://sandarukaushan999.github.io/Sandaru-Port/>

Skills

- Languages: Java, Kotlin, C, C++, HTML5, CSS, PHP, JavaScript
- Libraries: React.js
- Database: MySQL , Firebase
- Version Control: Git & GitHub
- Architecture: MVC (Model-ViewController)
- Others: UI/UX Design

Language

English

Sinhala

Certification

[DevOps foundations](#)

[Docker](#)

[Docker compose](#)

[Docker products](#)

[Microsoft Azure AI Essentials](#)

[BRIDGING PROGRAMME](#)

[Python For Beginners](#)

Other

Video editor – IEEE (RAS)

SANDARU KAUSHAN

UNDERGRADUATE

(SOFTWARE ENGINEER INTERN)

About Me

Motivated and detail-oriented Software Engineering undergraduate with a passion for mobile and web application development. Proficient in Kotlin, Java, C, C++, and web technologies such as HTML and CSS. Experienced in developing functional, user-friendly apps with features including authentication, notifications, and data persistence. Eager to apply technical knowledge and creativity in a collaborative internship environment to build impactful software solutions.

Education

SRI-LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT) BSc (Hons) in Software Engineering

2023 – Present

Projects

VOXO POS System – ERP | POS Application

Technologies: Vite ,Zustand ,Axios ,bcryptjs, ExcelJS ,Helmet CORS Moment.js ,Lucide React ,React Router DOM ,ESLint ,Nodemon Cross-env

(Video link attached)

- Comprehensive ERP | POS platform for retail businesses featuring inventory management, sales processing, and financial analytics. Includes modules like BillingScreen (real-time sales with barcode scanning), InventoryManager (stock tracking with expiry alerts), ReportsPage (business analytics with Excel export), ExpenseManager (financial tracking), Dashboard (real-time metrics), and role-based user management (Admin/Salesman/Data Entry) with secure JWT authentication.

LUMINA – Solar Management System

Technologies: React.js, JavaScript,Tailwind CSS, Mongo DB Trello

- sustainability-focused platform for managing solar energy use, recycling waste, and accessing solar marketplaces. Includes modules like EchoTrack (energy monitoring), BrightBin (recycling), Vendor portal (recycling) and feedback integration

AgroCare AI-Powered Vegetable Health Detection System

Technologies: React 18, FastAPI, TensorFlow, Node.js, Express.js, MongoDB, Tailwind CSS, Docker, Python, OpenCV, Axios, React Router DOM, Vite, CORS, Moment.js, Lucide React, ESLint, Nodemon, Cross-env

- Comprehensive AI-powered plant disease detection platform featuring real-time image analysis, health assessment, and expert recommendations. Includes modules like ImageUpload (drag-and-drop with validation), DiseaseDetection (AI-powered analysis with TensorFlow model), HealthReports (detailed disease analysis with safety assessment), Dashboard (real-time metrics and history). Features microservices architecture with separate ML service for scalable AI processing, responsive design with modern UI/UX, and production-ready deployment with Docker containerization.

(NOT FINISHED STILL WORKING)

- check it here : [Agrocare github](#)

VALUTY-Expense Tracker App (Android Project)

Technologies: Kotlin, Shared Preferences, Internal Storage

- Personal finance app allowing users to track income/expenses with charts, backup/restore data, and PIN-based authentication. Includes budgeting, export/import data, and currency selection
- Features: Pie charts, category management, onboarding, input validation, notification alerts

MyWallet – Online Banking System

Technologies: Java, MySQL, HTML, CSS, Tomcat, Servlet

- An online banking platform offering secure login, dashboards, transaction management, and bill payment. Includes admin panel, live notifications, and promo-based reward system

References

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