

# CHARAKA MIHIRANGA

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Colombo, Sri Lanka

## PROFILE SUMMARY

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Motivated Software Engineering undergraduate with a solid foundation in software development principles, agile methodologies, and team-based project experience. Skilled in problem-solving, critical thinking, and effective communication. Seeking a Software Engineering Internship to apply academic knowledge in real-world software development and gain hands-on industry experience

## TECHNICAL SKILLS

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**Languages :** Java • Python • JavaScript • TypeScript • PHP

**Frontend :** React.js • Next.js • React Native • Redux • HTML • CSS • Tailwind CSS

**Backend :** Node.js • Express.js • Spring Boot • Firebase • REST APIs • Microservices

**Database :** MySQL • MongoDB • SQLite

**Tools :** Git/Github • Docker • Linux

## EDUCATION

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**Graduate Diploma in Software Engineering**

Mar 2023 - Present

Institute of Software Engineering (IJSE), Pandura, Sri Lanka

## PROJECTS

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**BoardingSpot** - Full-Stack Boarding House Listing Platform | [Frontend](#) | [Backend](#)

BoardingSpot is a dynamic full-stack web application designed to simplify the process of finding and publishing boarding house listings. It delivers a seamless, map-integrated experience for users, combining powerful features with a clean, responsive interface.

- Implemented secure authentication using **JWT** and **Google OAuth**, with a **RESTful API** built on **Node.js**, **Express.js**, and **MongoDB**.
- Developed a responsive UI using **React (Vite)**, **TypeScript**, and **Tailwind CSS**, integrating Cloudinary for image uploads and supporting CRUD, filtering, and pagination.

**IslandInsight** - Real-Time News App | [Mobile](#) | [Web](#)

A cross-platform news app built with **React Native**, **Firebase**, and **TypeScript**, featuring real-time updates, **Google/Apple OAuth**, and **Firestore**-powered interactions. The web version uses **React** and **Tailwind CSS** for a consistent multi-device experience.

**Farm Management System** | Full-Stack Agricultural Management Platform | [Frontend](#) | [Backend](#)

A full-stack platform designed to streamline agricultural operations, including crop managing, staff tracking, vehicle usage, and data visualization. Features a responsive UI (**HTML**, **jQuery**, **Tailwind CSS**, **Chart.js**) and a **Spring Boot + MySQL** backend with **JWT authentication**, **CRUD**, and **role-based access control (RBAC)**.