KALPA MIHIRANGA
SOFTWARE ENGINEERING UNDERGRADUATE

Motivated Software Engineering undergraduate seeking a Software Engineering Internship to apply strong skills in **full-stack development, database-driven systems, and problem solving**. Experienced in building real-world academic and personal projects using **Java, React, Spring Boot, and Firebase,** with a strong passion for learning and teamwork.

Contact

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📍 46, Waga, Iridapola, Thummodara

in in/kalpa-mihiranga-496681319

🐙 github.com/Kalpa-Mihiranga

SKILLS

- Programming Languages
  Java, JavaScript, Python, C/C++

- Web & Software Development
  React, HTML, CSS, Tailwind CSS
  Spring Boot

- Databases & Backend
  MySQL, Oracle DB, MongoDB, SQLite
  Firebase (Realtime Database, Storage)

- Tools & Platforms
  GitHub, VS Code, IntelliJ IDEA

SOFT SKILLS

- Problem Solving
- Team Collaboration
- Communication
- Time Management
- Adaptability
- Attention to details

LANGUAGES

- English – Professional
- Sinhala – Native

Education

Apr 2024 – Present
Higher National Diploma in Software Engineering
National Institute of Business Management (NIBM)

Nov 2023 – Nov 2024
Diploma in Software Engineering
National Institute of Business Management (NIBM)

Jan 2021 – Jun 2023 (Last attended school)
GCE O/Level
Mahinda Rajapaksha College - Pitipana

PROJECT EXPERIENCE

CITF – Charity Management Web System (Real-World Project)

- Developed a full-stack charity management website for Ceylon International Trust Fund (CITF) with both public pages and admin functionality
- Implemented admin panels to manage donations, content, and contact inquiries
- Integrated backend logic and database handling for real-time data updates and secure data management
- Designed responsive user interfaces and ensured smooth system deployment and maintenance
  Technologies: HTML, CSS, JavaScript (Authentication, Realtime Database, Hosting), GitHub

Distributing Company Management System (Academic Project)

- Led the design and development of a Java-based management system for inventory, supplier, and order management
- Designed and implemented a normalized MySQL database with efficient relational structure
- Developed and tested CRUD operations with proper data validation and error handling
- Coordinated team contributions, module integration, and final system testing
  Technologies: Java, MySQL, HTML, CSS, JavaScript

Smart Harbour System (IoT Project)

- Developed an IoT-based smart harbour automation system using ESP32 and ESP8266
- Integrated multiple sensors for safety monitoring, tracking, and automation
- Implemented real-time data handling and visualization using Firebase dashboards
- Contributed to software and dashboard development and collaborated with team members to improve system reliability and operational efficiency
  Technologies: Firebase, ESP32, ESP8266, IoT Sensor

PizzaMania – Mobile Food Ordering Application

- Developed an Android-based mobile application for online pizza ordering with user-friendly navigation
- Implemented backend logic for managing users, menus, orders, and order status
- Integrated local database storage for cart and order data handling
- Designed structured application flow for ordering, checkout, and order confirmation
  Technologies: Android (Java), SQLite, XML, Payment Integration (concept), GitHub

CAREER OBJECTIVE

- To gain hands-on industry experience as a **Software Engineering Intern**, contribute to real-world software solutions, and continuously improve my technical and professional skills.

REFERENCE

M.P.T.N Pathirana

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