

KALANA SACHINTHANA

UNDERGRADUATE SOFTWARE ENGINEER

CONTACT

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SUMMARY

Passionate Software Engineering student with practical full-stack development experience, specializing in the MERN stack and OOP fundamentals. Proficient in Java, Spring Boot, Python, MySQL, and experienced in mobile development with React Native/Firebase. Eager to contribute project-based skills in a challenging environment.

EDUCATION

- **G.C.E. ORDINARY LEVEL**
Royal College panadura
2007 - 2015
- **G.C.E. ADVANCED LEVEL**
Private candidate
2015 - 2019
- **FOUNDATION CERTIFICATE IN INFORMATION TECHNOLOGY**
Curtin university colombo
2022 - 2023
- **HIGHER DIPLOMA IN SOFTWARE ENGINEERING**
Institute of software engineering panadura
2023 - Present

PROJECT RELATED EXPERIENCE

- **GREENSCAPE MOBILE APPLICATION**
2025 |
 - Developed a single-user mobile application for plant enthusiasts using React Native for cross-platform functionality.
 - Implemented core CRUD operations for managing a personal plant collection, including a key feature for setting watering and fertilizing reminders.
 - Integrated a third-party plant identification API to allow users to identify plants from photos and used Firebase for secure user authentication and data storage.
- **BOOK CLUB LIBRARY MANAGEMENT (MERN STACK)**
2025 |
 - Deployed a full-stack Library Management System (MERN stack). Built the backend with a Node.js/Express RESTful API and MongoDB. The React/TypeScript frontend implemented secure authentication, CRUD for management, and a streamlined lending/returns workflow, demonstrating mastery of modern web development.

SKILLS

FRONTEND

- React
- JavaScript
- HTML
- CSS
- Bootstrap
- Tailwind CSS
- AJAX

BACKEND

- Java
- Node.js
- Express.js
- Spring Boot
- Python
- Microservices

DATABASES

- MongoDB (NoSQL)
- MySQL (SQL)
- MongoDB (NoSQL), MySQL (SQL),
Firebase (Cloud NoSQL/Auth)

MOBILE DEVELOPMENT

- React Native

TOOLS & ECOSYSTEM

- NPM
- Maven
- JWT (Security)

LANGUAGES

- Sinhala
- English

HONDA CUB ATHENEUM (SPRING BOOT & MYSQL)

2025 |

- Developed a full-featured web platform for a global motorcycle community, including a multi-vendor e-commerce marketplace. The backend was engineered using Java with Spring Boot, implementing robust features like secure QR code login, advanced spare parts search, and comprehensive order tracking. This project demonstrates a strong command of backend development, Spring Boot, and relational database management in designing a complex, secure web platform.

PERSONAL PORTFOLIO WEBSITE

2024 |

- Developed a personal portfolio to showcase skills and projects, using modern web technologies including HTML, CSS, and JavaScript.
- Designed and implemented a fully responsive and interactive user interface to ensure a seamless experience on both desktop and mobile devices.
- The project demonstrates a strong understanding of front-end development, including UI/UX design and the practical application of core web technologies.

SOFT SKILLS

- Problem-Solving & Critical Thinking
- Teamwork & Collaboration
- Adaptability & Flexibility
- Communication & Presentation Skills
- Time Management & Organization
- Project Management
- Fast Learning (Continuous Learner)

REFERENCE

MR. PRASAD WADUGE
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