

# 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  
CEO /Trainer - Producing IT  
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