

# Ravindu Rathnagala

- [ravindu05.dev@gmail.com](mailto:ravindu05.dev@gmail.com) • +94 77 0262 126
- [www.linkedin.com/in/ravindu-rathnagala](https://www.linkedin.com/in/ravindu-rathnagala)
- [github.com/RavinduLaksahan](https://github.com/RavinduLaksahan)
- [ravindurathnagala.netlify.app](https://ravindurathnagala.netlify.app)

## Summary

As a recent graduate with a B.Sc. (Hons) in Computer Science and Software Engineering, awarded with first-class honors, I am driven by a strong work ethic and a commitment to excellence. With a passion for software engineering, I am eager to apply my leadership and teamwork skills in a collaborative environment. My goal is to leverage my education and enthusiasm to contribute meaningfully as a **software engineering intern** while continuing to grow and adapt within the dynamic tech industry.

## Education

### B.Sc. (Hons) Computer Science & Software Engineering

Grade: First Class honors

University of Bedfordshire

2024

### Higher Diploma in Information Technology

SLIIT City University

2022-2024

### G.C.E. Advanced Level Science Stream

Sri Chandananda Buddhist College Kandy

2020

### G.C.E. Ordinary Level Science Stream

Sri Chandananda Buddhist College Kandy

2016

## Skills

- JavaScript • Java • HTML • CSS • Node JS • MySQL • Mongo DB • React JS • Express JS
- Tailwind CSS • Data Structures • OOP • Algorithms • Prompt Engineering
- Project Management • Software Development • Version control - GitHub

## Extra Curricular Activities

### Secretary

Astronomical Association, Sri Chandananda Buddhist College

2018-2019

### Super Senior Prefect

Sri Chandananda Buddhist College

2016-2019

## Non - Related Referees

### Dr Gayana Fernando

Senior Lecturer (Higher Grade)

SLIIT City Uni

Email - [gayana.f@slit.lk](mailto:gayana.f@slit.lk)

## Projects

---

### Elder Ease

ElderEase is an adult health care management system developed as my final year research project. It features real-time monitoring of vital signs, sleep tracking, and anomaly prediction using AI/ML techniques. The project is implemented using Python and leverages IoT technology with Raspberry Pi for data collection and processing. The Blynk IoT platform is used for real-time data visualization and control, providing a user-friendly interface for caregivers and medical professionals to monitor and manage patient health effectively.

Key Skills & Technologies - Python, Blynk IoT Platform, Raspberry Pi, AI/ML, Market Research, Research Methodologies

---

### Lanka Hardware Hub

Led a group project for a real client, developing a web application using React.js, Node.js, Tailwind CSS, and MongoDB. As the scheduling manager, I was responsible for coordinating tasks and timelines. This role enhanced my skills in project management, Agile development, and documentation, while my significant contributions to the web application focused on creating an intuitive and efficient interface for managing products and sales.

Key Skills & Technologies - React.js, Node.js, Tailwind CSS, Mongo DB, Project Management, Scrum Approach, Agile Development, Documentation, Version Control- GitHub

---

### Tomato Bash

Tomato Bash is an engaging web-based game developed using the MERN stack, designed to fetch and present math questions from an API created by Dr. Marc Conrad at the University of Bedfordshire. The game features life management, high scores, a leaderboard, and profile management, enhancing user engagement and competitiveness. Developed with React JS, Express JS, Node JS, Tailwind CSS and MongoDB, this project deepened my understanding of key concepts such as virtual identity through JWT tokens, encapsulation in OOP by implementing the Singleton pattern, and effective software architecture design.

Key Skills & Technologies - React.js, Node.js, Express.js, Tailwind CSS, Mongo DB, Virtual Identity, Interoperability, Encapsulation

---

### Events LK

Events LK is a comprehensive event management system designed to streamline the organization and management of events. It features capabilities to add, update, and delete events, ensuring efficient event handling. The system is built with a React JS frontend, Java Spring Boot backend, Tailwind CSS for modern styling, and MySQL for robust database management. This project provides a seamless user experience, enhancing event management efficiency and functionality.

Key Skills & Technologies - React.js, Java Spring Boot, Tailwind CSS, MySQL

---

### Ramitha Ceramic

Developed a front-end-only application for a friend's ceramic store, Ramitha Ceramic. Utilizing React JS and Tailwind CSS, the application features a sleek and user-friendly interface for showcasing and managing ceramic products. This project enhances the online shopping experience with an intuitive design and seamless navigation.

Key Skills & Technologies - React.js, Tailwind CSS

---

### Med Manage HMS

Developed a desktop application for managing hospital operations, including doctor management, appointment scheduling, pharmacy management, prescription handling, invoice generation, and feedback collection. Built using Java NetBeans and MySQL, this application streamlines healthcare management processes, improving efficiency and organization in a hospital setting.

Key Skills & Technologies - Java, MySQL, React.js, Tailwind CSS