


RAVINDU RATHNAGALA

Graduate

-  ravindurathnagala.netlify.app
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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

[University of Bedfordshire](#)

 2024

Higher Diploma in Information Technology

[SLIIT City Uni](#)

 2022 - 2024

G.C.E. Advanced Level Science Stream

[Sri Chandananda Buddhist College Kandy](#)

 2020

G.C.E Ordinary Level

[Sri Chandananda Buddhist College Kandy](#)

 2016

SKILLS

[JavaScript](#) [Java](#) [HTML](#) [CSS](#) [Node.js](#) [MySQL](#)

[Mongo DB](#) [React.js](#) [Express JS](#) [Tailwind CSS](#)

[Data Structures](#) [Object Oriented Programming](#)

[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](#)

 2017 - 2019

NON-RELATED REFEREES

[Dr Gayana Fernando](#)

Senior Lecturer (Higher Grade)

SLIIT City Uni

Email - gayana.f@slit.lk

LANGUAGES

English

Sinhala

CONTACT

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PROJECTS

Elder Ease (Individual) [GitHub](#)

📍 University of Bedfordshire

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 (Group) [GitHub](#)

📍 University of Bedfordshire

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 (Individual) [GitHub](#)

📍 University of Bedfordshire

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 (Individual) [GitHub](#)

📍 SLIIT City Uni

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 (Individual) [GitHub](#)

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 (Individual) [GitHub](#)

📍 SLIIT City Uni

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

Movie Hub (Individual) [GitHub](#)

📍 SLIIT City Uni

Developed a movie browsing website called Movie Hub, utilizing HTML, JavaScript (jQuery), Bootstrap CSS, and JSON as a database. The site features a main page and a favorite page, along with a powerful search function that allows users to find movies based on various details. This project enhances the movie browsing experience with its user-friendly interface and efficient search capabilities.

Key Skills & Technologies - HTML, JavaScript (jQuery), Bootstrap CSS, JSON