



# Manusha Ranaweera

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## Profile

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Motivated Computer Science undergraduate with a strong academic foundation and practical project experience. Passionate about applying problem-solving skills to real-world software challenges. Committed to continuous learning, adaptability, and delivering quality solutions in collaborative environments.

## Education

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### B.Sc. in Computer Science

2023 – Present

University of Colombo School of Computing, Sri Lanka

CGPA: 3.28

### G.C.E. Advanced Level

2019 – 2021

Rahula College, Matara

Combined Mathematics: B   Chemistry: A   Physics: B

### G.C.E. Ordinary Level

8 A's, 1 B

## Projects

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### E-care – Digital Health Management System

May 2024 – May 2025

*2nd Year Group Project*

- Developed a hospital-chain-specific digital health platform that allows patients to book and cancel appointments, manage personal health records, and access laboratory reports online. Doctors can create and manage schedules, update patient records, and upload prescriptions directly. Administrative staff can upload reports and track appointments, streamlining communication and record management.
- My Contribution: Built patient appointment search and booking flow, integrated secure payment gateway, and implemented SMTP email notifications.
- Tech Stack: HTML, CSS, JavaScript, PHP, MySQL, Git.

### SoulGift – Full-Stack E-Commerce Platform

October 2024

*Self-learning Project*

- A web-based e-commerce platform where users can browse products, add them to a shopping cart, and make secure purchases online
- Implemented secure authentication, responsive frontend, and optimized MySQL database schema using migrations
- Developed dynamic AJAX-powered cart and admin panel with CRUD, search, and pagination features.
- Tech Stack: Laravel (PHP), MySQL, HTML5, CSS3, JavaScript, AJAX, Git.

### ServeSmart – Restaurant POS System

Ongoing

*Self-learning Project*

- A full-stack Point-of-Sale (POS) system designed to streamline restaurant operations by managing tables, orders, and payments in real time.
- Integrated payment gateway support and detailed sales reporting.
- Tech Stack: MongoDB, Express.js, React.js, Redux, Node.js (MERN).

- A smart bus management platform enabling passengers to book and track buses, conductors to manage tickets, and Bus owners to monitor fleet and revenue in real time.
- My Contribution: Built conductor mobile app and ticket management microservice to improve operations and passenger experience.
- Provided real-time bus tracking, online seat booking, revenue reporting, and stakeholder management tools.
- Tech Stack: React Native, TypeScript, Next.js, Spring Boot, Supabase, AWS, Docker, microservices architecture, Tailwind CSS.

## Certifications

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**The Complete 2024 Web Development Bootcamp**(MERN Stack) – Udemy (Dr. Angela Yu), 2024  
**AWS Educate: Introduction to Cloud 101** – Amazon Web Services, 2022

## Skills

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**Languages:** C, C++, PHP, Scala, JavaScript, Java, Flutter, React Native

**Frontend:** React.js, Material UI, Bootstrap, Tailwind CSS, Next.js

**Backend:** Node.js, Spring Boot, Express.js, Laravel

**Databases:** MySQL, MongoDB, PostgreSQL, SQLite

**Other:** Linux, LaTeX, Figma

## Extracurricular Activities

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- Volunteer – UCSC Career Fair 2025
- Co-director of Sports and Recreational Activities – Rotaract Club of UCSC (2024–2025)

## References

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**Dr. Kasun Gunawardana**

Senior Lecturer, University of Colombo School of Computing

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