

# Chenuka Rupasingha

## Web Developer | UI/UX Designer

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### SUMMARY

Enthusiastic and detail-oriented Computer Science final year undergraduate with hands-on experience in front-end development, UI/UX design, and full-stack web application projects. Proficient in modern technologies including React.js, Figma, JavaScript, PHP, and MySQL. Passionate about building responsive, user-centric digital experiences with a strong focus on usability, performance, and clean design. Eager to contribute to innovative software solutions while continuously growing as a developer and designer.

### EXPERIENCE

01/2025 - 07/2025

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IT Intern

Tabrane Pharmaceuticals

- Developed and executed the official website using modern front-end technologies, guaranteeing responsiveness and compatibility across various browsers.
- Delivered comprehensive IT support and troubleshooting services for personnel in several departments.
- Assisted in the company's SAP-related operations, including report creation, and system testing.
- Worked in partnership with cross-functional teams to ensure that technological solutions met business needs.

### EDUCATION

2022 - PRESENT

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B.Sc. (Hons) Computer Science

University of Bedfordshire(UK), in collaboration with SLIIT City Uni

2018 - 2020

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GCE Advanced Level

St. Peter's College

- Physical Science Stream Including ICT

2016- 2017

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GCE Ordinary Level with ICT

Dharmapala College Panipitiya

### PROJECTS

#### Final Year Project – Automated Campsite Booking System for Sri Lanka (Camp Ceylon)

📅 01/2025- PRESENT

Developing a full-stack web application to digitize Sri Lanka's manual and fragmented campsite reservation process. The system connects campers with campsite owners through a centralized, user-friendly platform. Key features include:

- Real-time verification of campsite availability and permissions, adhering to specific site regulations.
- AI-driven recommendations for campsites utilizing current weather forecasts.
- Interactive route planning facilitated by Google Maps, including offline navigation capabilities.
- Integration of emergency contacts and enforcement of guidelines.
- Dashboard for owners featuring campsite management tools and booking analytics.
- Created with a focus on accessibility, responsiveness, and practical application in rural settings.

#### Full-Stack Web Application for DNK Super

📅 02/2024- 05/2024

🔗 <https://github.com/ChenukaRaneth76/DNK-Super>

- Designed and implemented a full-stack web application for a grocery store, utilizing HTML, CSS, JavaScript, MySQL, and PHP.
- Performed a usability analysis and restructured the user interface using Figma, leading to a more intuitive and user-friendly experience.
- Improved navigation flow and identified key usability issues, resulting in a more efficient booking process.

#### AI-Assisted Supermarket Web Application (Agile Team Project)

📅 04/2025- PRESENT

In the role of QA Manager for a mid-sized full-stack e-commerce platform utilizing AI for tailored product recommendations, I am accountable for the planning and implementation of quality assurance processes. This includes the development of test strategies, tracking of bugs, and collaboration with development teams to guarantee the delivery of high-quality releases.

- User registration, product listings, cart system, order tracking, and admin panel.
- AI-driven product recommendation engine (either rule-based or utilizing OpenAI API).
- Real-time inventory management and automated email alerts.
- Employed Figma for UI/UX design, Jira for task and bug management, and Firebase for authentication and hosting.

PROJECTS

Interactive Puzzle Game (Using MathAPI & PHP)

01/2025- 03/2025

<https://github.com/ChenukaRaneth76/Fruit-Fusion-Puzzle>

Created an engaging web-based puzzle game that incorporates MathAPI for the dynamic generation of puzzles. Engineered with a modular architecture that guarantees low coupling and high cohesion between the frontend and backend elements. Key Features:

- Gameplay driven by events, featuring dynamic user interactions, timers, and animations.
- Incorporated MathAPI for the retrieval of real-time puzzle data.
- Backend developed using PHP and MySQL for managing sessions, tracking leaderboards, and implementing game logic.
- JWT-based authentication via Firebase Auth for secure login and session management.

Web Application for RanhiruDelight Cakes

03/2023- 06/2023

<https://github.com/ChenukaRaneth76/RanhiruCake-Web-Application>

- Developed a responsive front-end using HTML, CSS, and JavaScript for an online cake order platform.
- Integrated PHP and MySQL for dynamic content management and order tracking.

Modern Pet Shop Frontend Application Using React.js

02/2024- 05/2024

<https://github.com/ChenukaRaneth76/Petshop>

- Designed and developed a responsive frontend for a pet shop using React.js and Tailwind CSS.
- Implemented key features such as dynamic pet product displays, category-based filtering, and a visually appealing.
- Created a sleek and responsive user interface by employing contemporary design principles to facilitate intuitive navigation and enhance customer engagement.

Student Record Management System

03/2023- 06/2023

<https://github.com/ChenukaRaneth76/Student-Record-Management-System>

- Built a web-based student record management system using HTML, CSS, JavaScript, PHP, AJAX, and Bootstrap.
- Incorporating dynamic MySQL database interactions for efficient data storage and retrieval.

SKILLS

Programming Languages& Frameworks

React.js    JavaScript    HTML    Tailwind CSS    jQuery    Bootstrap    SQL    Java    C/C++    PHP

Databases

MySQL    MongoDB    Firebase

Tools & Platforms

Figma    VS Code    Adobe XD    Firebase    Jira    Postman    Git & GitHub

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Member

Leo Club SLIIT

11/2022- Present

Student Coordinator

ICT Club of St Peter's College

06/2019- 09/2020

Senior prefect

Dharmapala College

04/2016- 04/2018

LANGUAGES

English    Advanced    Sinhala    Native    Tamil    Intermediate

REFERENCES

Suraj Kalamulla - Senior IT Executive - Tabrane Pharmaceuticals

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Mr.Anuruddha Abeysinghe -Senior Lecture - Higher Grade, SLIIT City Uni (Pvt) Ltd.

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