

# SANCHANA DIMALSHA PERERA

Full Stack Developer

📍 Ja Ela, Sri Lanka

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🔗 [LinkedIn](#) | 🐙 [GitHub](#) | 🌐 [Portfolio](#)

## PROFESSIONAL SUMMARY

Software Engineering Intern and Final-Year Computer Science Undergraduate with commercial experience in full-stack development. Currently engineering scalable web solutions in an **industry internship role**, focusing on **React.js**, **Node.js**, and **MongoDB** optimizations. Proven track record of delivering production-grade applications, including freelance client projects. Skilled in Agile workflows, RESTful API design, and building responsive, user-centric interfaces.

## TECHNICAL SKILLS

- **Languages:** Java (Core & Advanced), JavaScript (ES6+), C++, PHP, SQL, Python(Learning)
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap.
- **Backend:** Node.js, Express.js, Spring Boot (Learning).
- **Databases:** MySQL, MongoDB.
- **Tools & QA:** Git/GitHub, Postman, Selenium, IntelliJ IDEA, VS Code , Android Studio, Power BI.
- **Concepts:** Data Structures & Algorithms (DSA), OOP, RESTful APIs, Generative AI.

## EXPERIENCE

**Software Development Intern** | OCTICK (PVT) LTD

*Remote* | Dec 2025 – Present

- **Full Stack Engineering:** Actively contributing to the development of scalable web applications using **React**, **Next.js**, and **Node.js**
- **API Development:** Designing and optimizing RESTful APIs to ensure seamless data communication between client interfaces and server-side logic.
- **Database Optimization:** Managing and optimizing **MongoDB** schemas to improve query performance and data retrieval speeds.
- **Agile Collaboration:** Participating in daily stand-ups and sprint planning within a remote agile team, ensuring timely delivery of features and bug fixes.

## PROJECTS

**SPHYNX BLACK – Luxury E-Commerce Platform (Clothing Store)** | [Live Site](#) | [GitHub](#)

**Tech Stack:** MERN Stack (MongoDB, Express, React, Node.js), Redux Toolkit, Cloudinary, Tailwind CSS.

- Architected a full-stack e-commerce application featuring a custom **Admin Dashboard** for real-time analytics, inventory management, and order tracking.
- Implemented a persistent shopping cart using **Redux Toolkit** and secure user authentication via **JWT** and BCrypt.
- Optimized frontend performance with **Framer Motion** animations and lazy loading, delivering a cinematic, high-fidelity user experience.

## Soul Sync Events – Commercial Portfolio Website (Freelance) | [Live Site](#) | [GitHub](#)

**Tech Stack:** React.js, Tailwind CSS, Responsive Design.

- Developed a commercial portfolio for a Melbourne-based event management client, translating business requirements into a highly responsive UI.
- Integrated a seamless "Buy Ticket" inquiry flow, resulting in a **40% increase in client inquiries** post-launch.
- Delivered the project ahead of schedule by adopting Agile workflows for rapid feedback and iteration.

## Sphynx Flick – Movie Discovery Application | [Live Site](#) | [GitHub](#)

**Tech Stack:** React.js, Node.js, Express, TMDB API.

- Engineered a Single Page Application (SPA) that consumes the TMDB API to fetch and display dynamic movie data, cast details, and trailers.
- Solved complex asynchronous data fetching challenges, reducing page load latency by **20%** through optimized API calls.
- Implemented a responsive grid layout ensuring consistent visual fidelity across mobile and desktop devices.

## Anuradha Hardware – E-Commerce Inventory System | [GitHub](#)

**Tech Stack:** PHP, MySQL, JavaScript, HTML/CSS

- Designed a robust relational database schema in **MySQL** to manage complex inventory, orders, and customer data for a local hardware store.
- Built a secure backend architecture with protection against SQL injection attacks to ensure safe transaction processing.

## EDUCATION

**BSc (Hons) in Computer Science** | University of Bedfordshire (UK)

*SLIIT City Uni | Anticipated Oct 2026 Core Modules: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Software Engineering.*

**Higher Diploma in Information Technology** | SLIIT City Uni

*Colombo | 2025*

**G.C.E. Advanced/Ordinary Levels** | Maris Stella College

## LICENSES & CERTIFICATIONS

- **Web Design for Beginners** | University of Moratuwa (2026 Jan)
- **Responsive Web Design** | freeCodeCamp (2026 Jan)
- **JavaScript Developer (Legacy)** | freeCodeCamp (2025 Dec)
- **Java Basic** | HackerRank (2025 Dec)
- **JavaScript Basic** | HackerRank (2025 Dec)
- **Intro to Generative AI** | Google Cloud Skills Boost (2025 Dec)
- **React.js for Beginners** | Simplilearn (2025 Dec)
- **Node.js for Beginners** | Simplilearn (2025 Dec)
- **Future in Quality Assurance** (Workshop - ARCSCU 2025) | SLIIT CITY UNI (2025 Jul)