

Anjana Weerasinghe

Full Stack Developer

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SKILLS

Frontend Development: HTML, CSS, JavaScript, TypeScript, React, Next.js, React Native, Expo, Flutter, TailwindCSS, Bootstrap, Shadcn UI, Redux Toolkit

Backend Development: Java, Python, C/C++, PHP, Ballerina, Node.js, Express.js, REST APIs, AJAX, JWT Authentication

Databases & Cloud: MySQL, PostgreSQL, Firebase, Firestore, Supabase

Tools & Platforms: Git, GitHub, VS Code, Cursor, Postman, Thonny, Raspberry Pi

Soft Skills: Leadership, Communication, Teamwork, Problem Solving, Strong Analytical Thinking, Proactive Learning and Adaptability

EDUCATION

University of Moratuwa

B.Sc. (Hons) in Information Technology and Management — GPA: 3.3

Jan 2023 – Present

Moratuwa, Sri Lanka

Mayuraphada Central College, Narammala

Advanced Level — Mathematics (A), Chemistry (B), Physics (B)

Jan 2017 – Dec 2021

Narammala, Sri Lanka

PROJECTS

Online Voting System (Open Source) | *Ballerina, Next.js, TypeScript, Supabase, PostgreSQL, Shadcn/UI* | [Frontend](#) | [Backend](#)

- Developed a secure digital election platform with role-based access for voters, candidates, and administrators.
- Implemented JWT-based authentication, encrypted vote casting, and real-time result dashboards.
- Designed scalable backend services using Ballerina with PostgreSQL and Supabase integration.
- Built reusable UI components using Shadcn/UI and TypeScript, improving development efficiency.

Air Guard — Air Quality Monitoring Device | *C/C++, Firebase, React, Node.js, Raspberry Pi Pico W* | [GitHub](#)

- Designed an IoT-based air quality monitoring system with gas, temperature, oxygen, and dust sensors.
- Implemented real-time Firebase synchronization with GSM fallback alerts for offline scenarios.
- Developed microcontroller firmware for sensor data acquisition and wireless transmission.
- Built a React dashboard for live monitoring, analytics, and automated alerts.

Laravel Hospital Management System | *Laravel, PHP, MySQL, AJAX, HTML, CSS, Tailwind CSS/Bootstrap* | [GitHub](#)

- Developed a full-stack hospital management system with patient, doctor, and appointment modules.
- Implemented role-based authentication and secure access using Laravel middleware.
- Built real-time appointment scheduling with AJAX and automated notifications.
- Designed responsive UI using Tailwind CSS and Bootstrap.

UoM Course Finder | *React Native, Expo, Firebase, Redux Toolkit, React Navigation, React Hook Form* | [GitHub](#)

- Developed a cross-platform mobile LMS with Admin, Teacher, and Student roles.
- Implemented Firebase Authentication, Firestore security rules, and protected routes.
- Used Redux Toolkit for scalable state management and real-time updates.
- Built coursework submission and grading workflow with form validation.

Artra — Art & Magazine E-Commerce Website | *WordPress, WooCommerce, HTML, CSS*

- Developed a WordPress-based e-commerce platform for selling art publications and magazines using WooCommerce.
- Customized product pages, checkout flow, and inventory management to enhance user experience and usability.
- Implemented an SEO-friendly, fully responsive design, resulting in a 40% increase in website traffic.

ACHIEVEMENTS

- **InnovateX 2025 — Finalist:** Coding competition organized by Zebra Technologies, focused on developing innovative software solutions to address retail challenges such as shoplifting prevention and long checkout queue management.
- **Commercial Project — Artra Art & Magazine E-Commerce Website:** Designed and developed a fully functional WordPress + WooCommerce e-commerce platform currently in commercial use for selling art publications and magazines. artra.lk
- **Mora Extreme 9.0/10.0 , CodeRush 2024 , CodeArena 2025 By KDU — Participant**

EXTRA CURRICULAR ACTIVITIES

- **Member — SEDS Mora (2025–Present):** Actively engaged in technology-focused workshops, seminars, and outreach programs related to space science and engineering, including participation in *Asteria (Star Junction)*, an observational astronomy event involving hands-on telescope usage to study celestial objects and night-sky phenomena.
- **Member — Rotaract Club:** Contributed to community service, leadership, and social impact initiatives.
- **Volunteer — Community Service Activities**
- **Sports Representative — Mayuraphada Central College (Cricket & Athletics)**

REFERENCES

Prof. (Mrs.) Thanuja Sandanayake
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