Anjana Weerasinghe

Full Stack Developer

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Kurunegala, Sri Lanka

SKILLS

Technical Skills: Java, Python, C/C++, PHP, Ballerina, HTML, CSS, JavaScript, TypeScript, React, React Native, Next.js, Node.js, Express.js, TailwindCSS, Bootstrap, Flutter, Shadcn UI, Redux Toolkit, MySQL, PostgreSQL, Firebase, Firestore, Supabase, REST APIs, AJAX, Expo

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

Soft Skills: Leadership, Communication, Teamwork, Problem Solving, Strong analytical thinking, Proactive learning and adaptability

EDUCATION

University of Moratuwa	Jan 2023 – Present
B.Sc. (Hons) in Information Technology and Management — GPA: 3.3	*Moratuwa, Sri Lanka*
Mayuraphada Central College, Narammala	Jan 2017 – Dec 2021
Cambridge Advanced Level — Mathematics (A), Chemistry (B), Physics (B), Z-Score: 1.567	*Narammala, Sri Lanka*

PROJECTS

Online Voting System (Open Source) | *Ballerina, Next.js, TypeScript, Supabase, PostgreSQL, Shadcn/UI* | GitHub | GitHub
- 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 Gurd — 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.

ACHIEVEMENTS

- **Finalist — InnovateX 2025**
- **Participant — Mora Extreme 9.0 & Asteria 2025**
- **Star Junction Sessions — University of Moratuwa**

EXTRA CURRICULAR ACTIVITIES

- **Member — SEDS Mora (2025–Present)**
- **Sports Representative — Mayuraphada Central College (Cricket & Athletics)**

REFERENCES

Prof. (Mrs.) Thanuja Sandanayake
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University of Moratuwa
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Mrs. Nilupulee Matharage
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