Anuradha Nipun Athukorala

Full-stack Developer | UI/UX Designer | AI & ML Engineer

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PROFESSIONAL SUMMARY

I am a dedicated Software Engineering graduate with a passion for architecting high-performance web and mobile applications. My expertise lies in full-stack development and the seamless integration of Artificial Intelligence into real-world systems. I have a proven track record of delivering scalable solutions through corporate internships and freelance projects, consistently focusing on clean code, user-centric design, and system optimization.

CORE COMPETENCIES

- Frontend: React, Next.js, Tailwind CSS, HTML5, CSS3, JavaScript
- Backend: Node.js, PHP (CodeIgniter 4), FastAPI, Flask
- Mobile & Desktop: Flutter, Dart, Python (Tkinter)
- Databases: MySQL, MongoDB, Firebase, TiDB Cloud
- AI & Machine Learning: Deep Learning Integration, Claude API, OpenAI API, STT (Speech-to-Text)
- DevOps & Tools: Git, Docker, n8n Automation, Postman, VS Code, Figma

PROFESSIONAL EXPERIENCE

IT Intern | Analytix Lanka (Pvt) Ltd **June 2025 – Nov 2025**

- Engineered a complex AI-powered WhatsApp ecosystem using n8n that supports text, voice notes (STT), and image processing.
- Optimized corporate digital presence by managing Google Business profiles and technical SEO strategies.
- Streamlined email communication systems by configuring Zoho Mail DNS records and migration protocols.
- Developed internal tools using MySQL for efficient data management and reporting.

IT Consultant (Part-time) | KDJ (Pvt) Ltd **Aug 2025 – Sept 2025**

- Provided high-level technical consultancy for diverse client projects, bridging the gap between business requirements and technical execution.
- Diagnosed and resolved complex system bottlenecks to improve overall workflow efficiency.

Freelance Software Developer | Fiverr **Feb 2023 – Present**

- Successfully delivered customized web solutions to an international clientele.
- Specialized in building responsive, high-speed frontends using modern JavaScript frameworks.

TECHNICAL PROJECTS

PLANETS VIEW: AI-Driven Agricultural Intelligence

- Architected a cross-platform Flutter application for plant disease detection using Deep Learning models.
- Integrated FastAPI and Tomorrow.io API for real-time weather analytics and disease forecasting.
- **Key Achievement:** Reduced image processing latency to 2.7 seconds and implemented local caching for offline usability.

NEXTERA LMS: Enterprise Learning Management System

- Developed a comprehensive LMS featuring role-based access control for Admins, Teachers, and Students.
- Built with React (Frontend) and CodeIgniter 4 (Backend), utilizing a complex MySQL schema with 28+ tables.
- Implemented automated quiz grading systems and dynamic PDF certificate generation.

WeatherPro Elite Max

- A high-end weather dashboard featuring real-time satellite imagery and Air Quality Index (AQI) tracking.
- Integrated Twilio and SMTP for automated emergency weather alerts via SMS and Email.

Green Life E-Commerce

- Collaborated in a team to build a real-time e-commerce platform using Node.js, WebSockets, and MongoDB.
- Focused on backend scalability and real-time inventory synchronization.

ICT Academy LMS — Learning Management System

- A full-stack, enterprise-grade Learning Management System (LMS) designed to streamline online education, content delivery, student progress tracking, and student-teacher support.
- Interactive course player for video recordings, PDFs, and learning notes.
- Real-time support via Socket.io for instant chat with academy admins.

RAN Solution – Enterprise IT Solutions Platform & Admin Command Center

- Built a production-ready, full-stack enterprise web platform and secure Admin Command Center designed for a modern IT solutions and services agency. The system delivers an interactive client portal alongside robust administrative management tools.
- Developed a 100% mathematical, procedural 3D WebGL background engine running at 60 FPS linked to user scroll paths using Three.js
- Engineered custom token-based edge authentication (PBKDF2, HMAC-SHA256) and an automated client inquiry pipeline with SMTP email alerts.
- Designed a dual-engine data layer using Prisma ORM with TiDB Cloud, backed by an in-memory repository fallback to guarantee uninterrupted uptime.
- Technologies: Next.js, React, TypeScript, Three.js, Prisma, TiDB Cloud, Tailwind CSS

LEADERSHIP & VOLUNTEERING

- **Organizing Committee Member - SECMIC24:** Played a key role in organizing the program under the NSBM Social Welfare Association (SWA) club.
- **Active Member:** Held membership and led activities in Nforce, Volunteer Club, IEEE Student Branch, and SWA.

EDUCATION

BSc (Hons) Software Engineering

University of Plymouth (UK) via NSBM Green University — 2021 – 2025

- Awarded **Second Class Honours (Upper Division)**.
- Graduated: July 16, 2025.
- Relevant Coursework: Data Structures, AI, Database Management, and Software Architecture.

Certificate Course in Information Technology

Open University of Sri Lanka — 2020 – 2021

- Successfully completed foundational IT and computing modules.

Certificate Course in English Literature & Language

Hardy Technical College — 2019 – 2020

- Focused on advanced technical communication and linguistic proficiency.

CERTIFICATIONS

- **Power BI Data Analyst:** Specialized in Data Cleaning and Visualization (2026).
- **AI Concepts & Terminology:** ISO/IEC 22989:2022 standard compliance (2025).

LANGUAGES & SKILLS

- Sinhala (Native)
- English (Professional)