SANUKA MARASINGHE
FULL STACK DEVELOPER INTERN | IT UNDERGRADUATE

+94771100758 sanukanm@gmail.com in SanukaMarasinghe ⊙ SanukaMarasinghe

PROFILE

Full Stack Developer Intern and IT undergraduate with hands-on experience building scalable, AI-powered web applications using React, Next.js, Node.js, and MongoDB. Experienced in designing RESTful APIs, implementing authentication, integrating AI services, and deploying cloud-based solutions. Strong understanding of modern full-stack architectures, clean code practices, and agile development workflows. Passionate about building real-world products with performance, security, and usability in mind.

WORK EXPERIENCE

Full Stack Developer Intern   **Sep 2025 – Present**
D15 Labs — Remote, Sri Lanka

- Developing and integrating full-stack features using React, Next.js, Node.js, and Express
- Designing and consuming RESTful APIs with secure JWT-based authentication
- Working with Supabase and relational databases for production systems
- Collaborating in agile workflows, participating in code reviews and sprint tasks
- Improving application reliability, performance, and maintainability in real-world environments

PROJECTS

TrustCart – AI-Powered Shopping Intelligence Platform   **Nov 2025– Jan 2026**
React, TypeScript, Node.js, Express, MongoDB, OpenAI API, Firebase, Tailwind CSS

- Built an AI-driven web platform that analyzes product trustworthiness, detects fake reviews, and tracks price history
- Implemented BUY / WAIT / AVOID recommendations with confidence scores and explanations
- Designed a modular backend architecture with controllers, services, middleware, and caching layers
- Integrated OpenAI GPT-4 for review analysis and decision reasoning
- Implemented JWT authentication, rate limiting, input sanitization, and role-based access
- Developed admin dashboards for monitoring AI quality, system health, and abuse detection
- Optimized performance using caching, lazy loading, and optimistic UI updates

AgroTrack – AI Smart Gardening Assistant
React, TypeScript, Node.js, Express, MongoDB Atlas, Firebase, Google Gemini API

Aug2025 – Nov 2026

- Built a full-stack AI-powered web application for plant monitoring, diagnosis, and care management
- Integrated Google Gemini API for image-based plant disease detection, identification, and personalized care recommendations
- Developed a personalized plant management dashboard with reminders, health tracking, image uploads, and notes
- Implemented a community forum and admin dashboard with posts, comments, moderation, analytics, and role-based access
- Designed a secure, cloud-deployed architecture using Firebase Authentication, JWT, MongoDB Atlas, and RESTful APIs
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SmartFitness – Gym Management System
C#, .NET (Windows Forms), MySQL, ADO.NET

Aug 2024 – Nov 2024

- Developed a desktop-based gym management system to handle member, staff, payment, and equipment operations
- Implemented full CRUD functionality for members, staff, and equipment using a client–server architecture
- Designed NIC-validated registration workflows and role-based login for secure user access
- Built a payment management module to record transactions, track payment history, and reduce billing errors
- Created a centralized admin dashboard for monitoring members, payments, staff, and equipment inventory

EDUCATION

2024-Present

Bachelor of Information Technology
University of Moratuwa

2020 - 2023

GCE Advanced Level Examination
Bandaranayake College Gampaha

2017 - 2019

GCE Ordinary Level Examination
Thakshila College Gampaha

TECHNICAL SKILLS

Frontend
HTML5, CSS3, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Chart.js, shadcn/ui

Backend
Node.js, Express.js, RESTful APIs, JWT Authentication, AI API Integration (OpenAI, Gemini)

Databases
MongoDB, Microsoft SQL Server, MySQL, PostgreSQL, Mongoose, Schema Design

Cloud & Hosting
Firebase (Auth, Storage, Admin SDK), Supabase, MongoDB Atlas, Vercel, Railway

Tools & Platforms
Git, GitHub, NPM, PNPM, Postman, Swagger (OpenAPI), Windows Terminal,

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CERTIFICATIONS

AWS Essential Training   **2025 Aug**
LinkedIn Learning

Microsoft Azure Machine Learning Fundamentals   **2025 Aug**
LinkedIn Learning

Microsoft Azure AI Essentials – Professional Certificate   **2025 Aug**
Microsoft & LinkedIn Learning

Career Essentials in GitHub - Professional Certificate   **2025 Aug**
Github & LinkedIn Learning

Next.js: Creating and Hosting a Full-Stack Site   **2025 Aug**
LinkedIn Learning

Firebase Essential Training   **2025 Aug**
LinkedIn Learning

Building RESTful APIs with Node.js and Express   **2025 Aug**
LinkedIn Learning

Express Essentials: Build Powerful Web Apps with Node.js   **2025 July**
LinkedIn Learning

Introduction to MongoDB   **2025 July**
LinkedIn Learning

Node.js Essential Training   **2025 July**
LinkedIn Learning

React Essential Training   **2025 July**
LinkedIn Learning

AI/ML Engineer - Stage 2 **2024**
Centre for Open and Distance Education - SLIIT
- View Credentials

AI/ML Engineer - Stage 1 **2024**
Centre for Open and Distance Education - SLIIT
- View Credentials

AI Text Summarizer app **2024**
POSTMAN
- View Credentials

Postman API Fundamentals Student Expert **2024**
POSTMAN
- View Credentials

REFERENCES

J.A.L.K. Jayakody
Senior Engineer, TechOps
CodeGen International (Pvt) Ltd
+94772208024
lahiruj@codegen.net

Danindu Edirisinghe
System Engineer
Millennium IT ESP
+94716450209
danindue@millenniumitesp.com