Sanduni Nethmini

Aspiring Web Developer

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PROFILE SUMMARY

A motivated and enthusiastic Information Technology student with a growing passion for web development. Skilled in frontend technologies with hands-on experience building responsive and user-friendly web interfaces. Eager to learn and improve backend and full-stack development skills. Strong problem-solving ability, teamwork and communication skills, committed to continuous learning and contributing to real-world web development projects. Seeking an internship opportunity to apply foundational knowledge and gain practical experience in web development.

TECHNICAL SKILLS

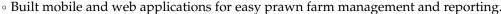
- Programming Languages: Python, Java, JavaScript, TypeScript, PHP
- Frontend Development: React.js, Next.js, HTML, CSS, Tailwind CSS
- Backend Development: Node.js, Express.js, RESTful APIs
- Database Technologies: MySQL, MongoDB
- Development Tools: Git, GitHub, Postman
- Design Tools: Figma, Canva
- Data Analytics & Visualization: Power BI, MS Excel

PROJECTS

• Prawn Care - Prawn Farming Management System

Group Project | Tech Stack: Next.js, Tailwind CSS, Flutter, Node.js, MySQL, ESP32

2025



- Designed and developed an IoT-based Prawn Farming Management System to digitalize farm operations.
- Integrated sensors for water quality, temperature and pH monitoring with real-time alerts and notifications.
- Implemented feed scheduling, employee management, inventory and order management to improve farm efficiency.

• Expense Tracker Web Application - Personal Finance Management

Individual Project | Tech Stack: React, Express.js, MySQL, Recharts, RESTful APIs

2025

- Developed comprehensive expense tracking system with dynamic category management and interactive visualizations.
- Built robust Express.js backend with automated database schema setup and comprehensive error handling.
- Created responsive React frontend featuring monthly expense navigation and real-time chart analytics using Recharts.

Multi Calculator Suite - TypeScript-Based Utility Application

2025

Individual Project | Tech Stack: TypeScript, HTML, CSS

• Developed a modular TypeScript web application featuring Age, BMI and Insurance Premium calculators.

- Implemented complex insurance premium logic with policy types and multi-year discounts.
- Designed the codebase for easy extension, maintainability and reliable user input validation.

EDUCATION

Institute of Technology - University of Moratuwa

2023 - Present

Diploma in Information Technology

Homagama, Sri Lanka

Core modules: Programming Fundamentals, System Design, Database Systems, Software Engineering

Sri Palee College

2008 - 2022

Pre-University Education

Horana, Sri Lanka

GCE Advanced Level - Physical Science Stream

CERTIFICATIONS

• CODL - University of Moratuwa

- Front-End Web Development
- Python Programming
- Server-side Web Programming
- Web Design for Beginners

• Udemy

- 。 Full-Stack Web Development
- Machine Learning with Python
- Complete JavaScript Course
- PHP with MySQL Database Integration

• Coursera

- · Advanced React
- Back-End Development
- Front-End and Web Development

• Information Technology & Distance Learning Hub

• Certificate in Computer Applications

REFERENCES

• Mrs. A U P Athukorala

Head of Division, Information Technology Institute of Technology, University of Moratuwa Phone: +94 77 266 6602

• Mrs. D A S Ruwanmini

Lecturer, Division of Information Technology Institute of Technology, University of Moratuwa

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