

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** 2025
Group Project | Tech Stack: Next.js, Tailwind CSS, Flutter, Node.js, MySQL, ESP32  
 - Built mobile and web applications for easy prawn farm management and reporting.
 - 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** 2025
Individual Project | Tech Stack: React, Express.js, MySQL, Recharts, RESTful APIs 
 - 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
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- **Mrs. D A S Ruwanmini**
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