



ANURADHA DILRUWAN

SOFTWARE ENGINEERING UNDERGRADUATE

PERSONAL PROFILE

A motivated Software Engineering undergraduate with a strong foundation in MERN Stack, OOP, data structures, and algorithms. Passionate about web development, I seek to apply my skills in building scalable, efficient solutions while exploring emerging technologies. Eager to contribute to innovative projects, enhance system performance, and grow within a dynamic team.

CONTACT DETAILS

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📍 **Location** : Homagama, Sri Lanka

SKILLS AND EXPERTISE

- MEARN Stack
- PHP
- Python
- Java
- Github
- Docker
- Sql
- Azure
- Machine Learning
- Problem Solving
- Communication

EDUCATIONAL HISTORY

Bachelor of Science (Hon's) in Software Engineering

Plymouth University (UK) / NSBM Green University / 2022 – 2026

Dharmapala Collage Bandarawela

GCE Advanced Level : 2021 (2022)
Maths Stream

PROJECTS

AI-Driven Supply Chain Optimization for Tea Factory Management in Sri Lanka's Smallholdings

Technologies: MERN Stack, Python, JWT, Bootstrap, Framer Motion, Tailwind.

Built using the MERN stack with JWT authentication and a Python-based AI model for production prediction. Features include role-based access for admins, suppliers, and transporters, as well as modules for factory operations, labor, transport, and analytics.

Hotel Booking Website - A Modern Reservation Platform

Built a responsive hotel booking app using React.js, Node.js, and MongoDB. Integrated dynamic discounts, flexible payments, and real-time pricing to enhance user experience on all devices.

SmartWatchAuth: Neural Network-Based Biometric Authentication

Developed a MATLAB-based biometric authentication system using neural networks to classify users from smartwatch motion data, with feature variance analysis and model optimization (dropout, tuning, cross-validation).

ACCOMPLISHMENTS

Built responsive web applications using HTML, CSS, JavaScript, React and Bootstrap to enhance user experience.

Implemented GitHub workflows for version control, branching strategies and CI/CD pipelines to streamline collaboration. GitHub Worked with modern technologies, including MongoDB for real-time database management, Docker for containerization and exploring Azure services for cloud solutions.

REFERENCE

Dr. Rasika Ranaweera

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