



DASUN METHMAL

CONTACT

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- [GitHub Profile Link](#)
- [LinkedIn Profile Link](#)
- [Portfolio Link](#)

SKILLS

Soft Skills

- Project Management
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking

Programming Skills

- Languages:** Java, PHP, JavaScript, Python, SQL, HTML, CSS
- Frameworks:** React.js, Express.js, Flask, Next.js
- Tools:** VS Code, NetBeans, Visual Studio, Android Studio, Git/GitHub, XAMPP, MySQL Workbench, phpMyAdmin
- Databases:** MySQL, SQL Server, MongoDB
- APIs & ML:** RESTful APIs, Python (pandas, scikit-learn), Flask ML services
- Concepts:** OOP, SDLC, Full-Stack Web Development, API Integration, ML Model Deployment

REFERENCE

Mrs. Chamila Attanayake
Head of Faculty (ICBT)
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Mr. Sanaka Perera
Lecturer (ICBT)
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PROFILE

Motivated and detail-oriented Software Engineering graduate with First Class Honours and a strong interest in full-stack web development. Skilled in building responsive and scalable web applications using front-end and back-end technologies, with hands-on experience in developing user-focused solutions from design to deployment. Eager to contribute technical skills, problem-solving ability, and a continuous learning mindset in a Full-Stack Developer role.



EDUCATION

BSc (Hons) in Software Engineering - First Class	2024 - 2026
• Cardiff Metropolitan University (UK) - ICBT Campus, Nugegoda.	
Higher Diploma in Computing & Software Engineering - Merit	2023- 2024
• Cardiff Metropolitan University (UK) - ICBT Campus, Nugegoda.	
G.C.E. Advanced Level - Passed	2020
• Mahanama College (Colombo 03)	
G.C.E. Ordinary Level - Passed	2017
• Sri Rajasinghe Central College (Kotikawatta)	



PROJECTS

ThyroTrack - Thyroid Cancer Risk Prediction System - React.js, Express.js, Flask, MySQL

- Developed a full-stack AI-based healthcare platform for thyroid cancer risk prediction and patient management. Integrated a Random Forest model with SHAP-based explainability, patient record management, progress tracking, and automated report generation.

AI-Based Student Career Recommendation System - Next.js, Express.js, Flask, MongoDB

- Built an AI-powered web application that recommends career paths using a machine learning model deployed through a Flask microservice. Implemented secure user authentication and user-based data tracking for personalized recommendations.
Live: <https://ai-career-path-recommendation-syste.vercel.app>

MegaCityCab Service - Java EE, GlassFish, JavaScript, HTML

- Developed a cab booking and administration web application with user registration/login, profile management, booking history, chatbot support, and admin dashboard features.

Lost & Found Community Platform - Next.js, Express.js, MongoDB Atlas, Node.js

- Built a full-stack community platform for posting, searching, and claiming lost or found items. Added JWT authentication, Cloudinary image uploads, email notifications using Nodemailer, claims management, and an admin dashboard.
Live: <https://lost-and-found-frontend-phi.vercel.app>



CERTIFICATIONS

- Completed AI/ML Engineer - Stage 1 certification from SLIIT, covering foundational concepts in artificial intelligence and machine learning.
- Completed Web Design (Beginners) certification from the University of Moratuwa, covering basic web design and front-end fundamentals.
- Completed Java (Basic) certification from HackerRank, demonstrating foundational knowledge of Java programming and problem-solving.