SANUJI SAMARAKOON

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SUMMARY

I'm a motivated undergraduate with a solid foundation in software engineering and data-driven problem solving. I work well in collaborative teams, lead initiatives effectively, and enjoy building real-world solutions in software development and data science.

EDUCATION

University of Moratuwa (2023–present)
B.Sc. Engineering in Computer Science & Engineering
Specialization: Data Science & Engineering
CGPA: 3.64

Musaeus College, Colombo 07 (2008–2022)
General Certified Exam Advanced Level, Physical Sciences Stream
Physics (A), Chemistry (A), Combined Mathematics (A), General English (A)
Z-Score: 2.3313

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, C++, JavaScript
- **Web Development:** HTML, CSS, React, Node.js, Next.js, Angular, Flask
- **Databases:** MySQL, MongoDB
- **Tools:** Git, Docker

SOFT SKILLS & INTERESTS

- **Soft Skills:** Leadership, Communication Skills, Teamwork, Time Management
- **Playing Musical Instruments:** Guitar, Piano
- **Sports:** Badminton, Scrabble, Swimming
- **Areas of Interest:** Web Development, Machine Learning, Deep Learning, Generative AI

CERTIFICATIONS

- Machine Learning Specialization by DeepLearning.AI & Stanford University
- Deep Learning Specialization by IBM Skills Network
- Introduction to Generative AI by Google Cloud
- Java Programming: Solving Problems with Software by Duke University
- C for Everyone: Programming Fundamentals by University of California, Santa Cruz

PROJECTS

Event Discovery Platform for Tourists (Ongoing)

- Travelon is a mobile app for tourists to discover local events and a web platform for event organizers and admins.

- Tech stack: Flutter, Firebase, Next.js

- My contribution: Developing the mobile app frontend using Flutter

AI Powered Wellness Assistant (Ongoing)

- A personalized wellness assistant that offers tailored workout and diet plans through a voice-based virtual agent powered by deep learning models trained on user health data.

- Tech stack: Python, TensorFlow, Keras, LiveKit, Firebase, Next.js

- My contribution: Designing DL model pipelines and implementing the voice agent interface

Food Delivery Website

- Fast Feast is a web application that features secure user authentication, enabling users to browse food items and place orders. It also includes an admin panel for managing purposes.

- Tech stack: Next.js, React, MongoDB

B-Airways 🔗

- B Airways is a web application that allows flight searching, ticket booking, and passenger management.

- Tech stack: Next.js, React, MySQL

- My contribution: Developed the frontend and implemented the backend for user profile management

Wellness Tracking System 🔗

- Wellness 360 is a web application that analyzes user health data and provides personalized insights.

- Tech stack: React.js, Ballerina

- My contribution: Built the frontend using React

Real Estate Price Prediction 🔗

- A web application that predicts house prices based on user inputs using machine learning.

- Tech stack: Python, Scikit-learn, Numpy, Flask, HTML, CSS, JavaScript

Turn Based Strategy Game 🔗

- MysticMayhem is a Java-based, fantasy themed game where players control an army and try to defeat the other team's army.

- Tech stack: Java, OOP principles

ACHIEVEMENTS

- Most Outstanding Volunteer, IEEE WIE Student Branch Affinity Group of University of Moratuwa (2024)

- Code Blast 2025 Organized by Mobitel - Finalists

- ACES Hackathon 2025 Organized by University of Peradeniya - Finalists

- Hackelite 2024 Organized by IEEE WIE Student Branch Affinity Group of University of Moratuwa - Semifinalists

LEADERSHIP & VOLUNTEER EXPERIENCE

- Assistant Secretary, IEEE WIE Student Branch Affinity Group of University of Moratuwa (Oct 2024 – Present)

- Online Media & Promotions Coordinator, Gavel Club of University of Moratuwa (Apr 2025 – Present)

- Member, Mathematics Society of University of Moratuwa (Dec 2023 – Present)

- Member, Rotaract Club of University of Moratuwa (Jan 2023 – Present)

REFERENCES

Prof. Dulani Meedeniya
Senior Lecturer,
Department of Computer Science & Engineering,
University of Moratuwa.
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Dr. Adeesha Wijayasiri
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