VIHANGA NILUSHA

COMPUTER SCIENCE UNDERGRADUATE

CONTACT

- +94 712547892
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- Moratuwa
- LinkedIn
- Github

LANGUAGES

- Sinhala
- English

SKILLS SUMMERY

Technical Skills
- C, C#, HTML, CSS, JavaScript, MySQL, PHP, Python, Figma, React, PowerBI, Data Cleaning, Data Preprocessing, MERN Stack, Flutter

Soft Skills
- Team Work, Adaptability, Critical Thinking, Time Management, Problem Solving

PROFILE

I am a passionate and dedicated computer science student with hands-on experience in web development, UI design, front-end development, and mobile application development.With a solid foundation in programming languages and frameworks such as HTML, CSS, JavaScript, React Native, Flutter, and Flask,Node.js. I am excited to apply my knowledge to real-world projects. I am eager to contribute to dynamic teams, learn from seasoned experts, and expand my knowledge in developing creative digital solutions. Currently looking for an internship opportunity to broaden my knowledge and contribute to meaningful initiatives in the tech sector.

PROJECTS

MEDSYNC - GROUP

- Utilizing PyQt5, Firebase Realtime Database, and OpenCV2, this project introduces a Medical Information Management System (MIMS) with QR code identification to modernize public healthcare. Through literature review and user-centered design, it enhances patient data management, workflow efficiency, and compliance, yielding a user-friendly system with improved access and security.

GREEN STAY - GROUP

- Green Stay, a platform tailored for NSBM students, facilitates hostel searches in Homagama. It employs HTML, CSS, and JavaScript for frontend development, PHP for backend operations, and MySQL for database management. Additionally, it integrates Google Maps API for mapping features.

GREEN RIDE - GROUP

- Green Ride, a transportation app for NSBM Green University, streamlines commuting by providing public transport details and facilitating carpooling. Built with Dart and Flutter, it leverages Firebase for backend services and GitHub for collaboration. Visual Studio Code and Android Studio were used for development, ensuring a user-friendly experienceKforKstudents

WEATHER APP - SOLO

- Developed an interactive weather forecast app using Python, Tkinter, and the OpenWeatherMap API. The app displays real-time temperature, humidity, wind speed, and weather descriptions based on user-input city names. Implemented robust error handling for invalid inputs and network issues. Enhanced skills in GUI design, API integration, and JSON data processing.

AI-Driven Nutritious App for Personalized Dietary Management and Health Monitoring - SOLO

- The project features a custom-trained machine learning model for meal recognition, developed using Python and PyTorch, and deployed via a Flask API. This model enables users to scan meal images within the Flutter app, which then sends the image to the backend for intelligent analysis and classification. The results, including the identified meal and nutritional information, are seamlessly integrated into the user experience, with data stored in Firebase for tracking and future reference. This end-to-end solution demonstrates expertise in machine learning, API development, and cross-platform mobile integration, providing users with real-time, AI-powered dietary insights.

EDUCATION

BSC (HONS) - COMPUTER SCIENCE   2022 - 2025
NSBM Green University

WEB DESIGN FOR BEGINNERS OPEN LEARNING   2023
PLATFORM
University of Moratuwa

DIPLOMA IN ENGLISH LANGUAGE   2022
ICBT Campus

GCE ADVANCED LEVEL IN MATHEMATICS STREAM   2021 (2022)

Prince Of Wales' College
- Successfully completed in the Physical Stream with a C pass for Physics, a C pass for ICT and a F pass for Combined Mathematics

CERTIFICATE IN SOFTWARE DEVELOPMENT (LEVEL   2019
1) WITH SECOND CLASS UPPER
ATARI City Campus

GCE ORDINARY LEVEL   2018
Prince Of Wales' College
- 7 A's & 2B's

EXTRA CURRICULAR

- Senior Prefect At Prince Of Wales' College in 2021
- Vice President Of Science Society at Prince Of Wales' College in 2021
- President Of Christian Society At prince of Wales' College in 2020-2021
- Member Of Under 13,15 & 17 Cricket team of Prince of Wales' College

REFERENCES

Ms Hirushi Dilpriya
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