

VIHANGA NILUSHA

COMPUTER SCIENCE UNDERGRADUATE



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Moratuwa

[LinkedIn](#)

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LANGUAGES

- Sinhala
- English

REFERENCES

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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

MEDSYNCH - 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 experience for students.

CALCULATOR - SOLO

- Created a calculator application with complete functionality with the Tkinter framework and Python. The calculator can do brackets and percentage calculations in addition to standard arithmetic operations like addition, subtraction, multiplication, and division.

WEATHER APP - SOLO

- Using Python and the OpenWeatherMap API, an interactive weather forecast application was created that offers real-time weather information for any given area. Users may input city names into the app's slick, responsive design to get the current weather conditions, which include temperature, humidity, wind speed, and comprehensive weather descriptions. Included strong error handling to provide a smooth user experience by gently managing erroneous inputs and network problems. My abilities in Tkinter GUI programming, JSON data processing, and API interaction have all improved as a result of this project.



EDUCATION

BSC (HONS) - COMPUTER SCIENCE NSBM Green University	2022 - 2025
WEB DESIGN FOR BEGINNERS OPEN LEARNING PLATFORM University of Moratuwa	2023
DIPLOMA IN ENGLISH LANGUAGE ICBT Campus	2022
GCE ADVANCED LEVEL IN MATHEMATICS STREAM Prince Of Wales' College <ul style="list-style-type: none">Successfully completed in the Physical Stream with a C pass for Physics, a C pass for ICT and a F pass for Combined Mathematics	2021 (2022)
CERTIFICATE IN SOFTWARE DEVELOPMENT (LEVEL 1) WITH SECOND CLASS UPPER ATARI City Campus	2019
GCE ORDINARY LEVEL Prince Of Wales' College <ul style="list-style-type: none">7 A's & 2B's	2018

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

SKILLS SUMMARY

Technical Skills

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

Soft Skills

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