



NUWANTHA LAKSHAN

Computer Engineering Undergraduate

CONTACT

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Medirigiriya, Polonnaruwa

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TECHNICAL SKILLS

- Programming Languages**
Python, Java, C, JavaScript, HTML, CSS
- Database Systems**
MySQL, MongoDB
- Frameworks & Libraries**
React, Node.js, Express.js, Spring Boot
- Other**
Git/ GitHub , Matlab, Arduino

PERSONAL SKILLS

- Effective Communication
- Management Skills
- Quick Learner
- Collaboration
- Resistance to stress
- Languages
 - Sinhala
 - English

ABOUT ME

Third year Computer Engineering undergraduate with a strong passion for technology, excellent problem-solving skills and a collaborative mindset. Eager to apply my fundamental knowledge to immerse myself in full stack development and gain practical experience through an internship opportunity.

EDUCATION

Bsc. Eng. Hons (2021 – Present)

University of Peradeniya, Specialization: Computer Engineering

Current GPA: 3.35 / 4.00

GCE A/L Physical Science Stream (2019)

Medirigiriya National School, Medirigiriya

A|A|A, Z Score: 2.05

District Rank – 2

SELECTED ACADEMIC PROJECTS

Faculty Management System | Group



Feb 2023 – Aug 2023

- Administrators can efficiently manage students, lecturers, courses, departments, and project data through a user-friendly interface. This intuitive design ensures easy navigation, allowing administrators to quickly perform tasks.

Tech Stack -

Full Stack Development [React, Spring Boot, MySQL]

Contribution -

Student UI using React, Student backend using Spring Boot & connect to MySQL database

Attendance Monitoring and Access Authentication with Face Recognition | Group



Oct 2023 – Jan 2024

- We combine facial recognition, fingerprint scanning, and PIN authentication to redefine access control.
- This multi-factor approach prioritizes security while ensuring user convenience. By integrating these methods, system offers seamless, contactless access with precision and uniqueness.

Tech Stack -

Embedded System [Raspberry Pi 3B+, MQTT] &

Full Stack Development [React, Django, PostgreSQL, Azure]

Contribution -

Employee UI using React, Overall system design, Design User Manual

Diabetes Health Indicator | Group



Ongoing

- Currently developing a machine learning model to predict diabetes in humans.

Tech Stack - Python, scikit-learn, Pandas

Contribution -Trained a Support Vector Machine (SVM) classifier with a linear kernel.

School Attendance Management System | Group

Jan 2023 – May 2023

- The system allows administrators to create classes and assign teachers, manage student details, and mark attendance. Parents and guardians can also use the system to view their child's attendance records and add notes for absences.
- Teachers & children works become easier with this supportive UI

Tech Stack -

Full Stack Development [React, Spring Boot, MySQL]

Contribution -

Admin UI using React, Admin backend using Spring Boot & connect to MySQL database

Automatic IC Testing Application Using FPGA | Group


Aug 2023 – Jan 2024

- Automatic 74 series integrated circuit (IC) checking equipment.

Tech Stack - Embedded System [FPGA] with Verilog

Contribution - LED display integration






COMPETITIONS

- **HACKATHON | 2023 June | Group** 
Inter- university hackathon organized by ACES - Bus tracking system for social services category
- **ACES- Pre-Coders | 2022 November | Group**
A 6 hours coding competition organized by ACES


EXPERIENCE & VOLUNTEERING

- **Member of Web Consultation Team in University of Peradeniya**
- **Working as the Content Admin of the Official LinkedIn Page in University of Peradeniya**
- **Project Arunalla 2022 - 2023**
 - Seminar series organized by engineering students' union for O/L students in rural areas.

CERTIFICATIONS

- **Computer Network – INDONESIA CYBER EDUCATION INSTITUTE** 
- **Software Engineering - INDONESIA CYBER EDUCATION INSTITUTE** 
- **Introduction to Linux – EdX | The Linux Foundation** 
- **Linux Tools for Software Development – EdX | The Linux Foundation** 
- **Programming for Everybody - Coursera | University of Michigan** 

EXTRA ACTIVITIES

- **Sri Lanka Mathematical Olympiad Foundation**
 - Represented the North Central Province at the National Federation
 - Represented North Central Province at the Olympiad Camp held in Anuradhapura
- **5.0 rated seller in Fiverr** 

REFERENCE

Prof. Roshan G. Ragle

Head of the Department

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