Ishan Kawshalya

COMPUTER SCIENCE & ENGINEERING UNDERGRADUATE

CONTACT

- +94 701101967
- ishandewpura.21@cse.mrt.ac.lk
- github.com/Ishdew
- in/ishan-kawshalya

TECHNICAL SKILLS

Programming Languages
- Python
- Java
- C++

Application Development
- **React.js**
- **Node.js**
- **HTML**

Database
- **MySQL**

Version Control
- **Git/GitHub**

INTERESTS

- Web Development
- Machine Learning
- IoT

LANGUAGES

- English
- Sinhala

EDUCATION

University of Moratuwa   2021 - Present
B.Sc. Engineering (Hons.) in Computer Science and Engineering
- CGPA: 3.42/4.0(out of 3 semesters)

Rahula College,Matara   2014 - 2020
GCE Advanced Level - Physical Science Stream - 3A's
- Combined Mathematics (A), Physics (A), Chemistry (A) | Z-Score - 2.1207
GCE Ordinary Level - 9A's

PROJECTS

Human Resource Management System   Aug - Nov 2023
github.com/Ishdew/HRMS_Project
- A full-stack implementation of a comprehensive Human Resource Management System
- **Core features:** The HRMS store employee data, including personal information, job related details and custom attributes. It facilitates leave management with configurable leave types and entitlements. Additionally the HRMS support report generation informed decision making and user access control for data security.
- **Technologies:** Node.js, Express, MySQL, React js,Bootstrap

Studio Shodwe
Marketing Manager & Specialist
- Develop and maintain strong relationships with partners, agencies, and vendors to support marketing initiatives.
- Monitor and maintain brand consistency across all marketing channels and materials.

Smart MediBox   Mar - May 2024
github.com/Ishdew/Smart_MediBox
- The Smart Medi Box is an innovative medication management and monitoring system designed to enhance patient care by providing a comprehensive solution for medication management and timely reminders. This project leverages the ESP32 microcontroller and incorporates various functionalities to ensure safe medication storage and administration.
- **Technologies**: C++,Node-Red,Arduino,IoT

PintOS Operating System
Aug - Oct 2023

github.com/Ishdew/Pintos-Operating-System

- Improved simple Pintos Operating System by implementing the Thread System and enabling programs to interact with the OS via system calls.
- **Technologies:** C

4-bit Processor Design and Development
Mar - Jun 2023

github.com/Ishdew/Nano-Processor

- Developed a 4-bit processor capable of executing four instructions. Verified functionality through simulation and development board implementation, gaining experience in digital design and hardware verification.
- **Technologies:** VHDL,Vivado,Basys 3 FGPA

EXTRA–CURRICULAR

Mathematics Society - **University of Moratuwa**
Oct - Dec 2023
- Co-Chair in Project MFlix

IEEE Student Branch University of Moratuwa
Oct 2023 - Present
- Member

REFERENCES

PROF DULANI MEEDENIYA
Senior Lecturer
Department of Computer Science and Engineering
Faculty of Engineering
University of Moratuwa
+94 71 393 5801
dulanim@cse.mrt.ac.lk