Pasindu Maduranga

Final Year Undergraduate – University of Moratuwa

Profile

Tech enthusiast in AI/ML engineering. Information Technology undergraduate. Looking for opportunities to apply existing and emerging technologies to overcome challenges in IT field.

Contact Info.

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Technical Skills

- **Programming Languages**
  - Java
  - C#
  - Python
  - Arduino
  - C

- **Frontend Development**
  - HTML
  - CSS
  - JavaScript
  - React
  - Vue

- **Mobile Development**
  - React Native

- **Backend Development**
  - .NET
  - Spring Boot
  - Node

- **Database**
  - SQL
  - MongoDB
  - Firebase

- **ML/DL/AI**
  - TensorFlow
  - Keras
  - PyTorch

Education

- **B.Sc. (Hon's) – Information Technology**
  2020 – 2024 | University of Moratuwa
  Reading | Expected in 2024
  GPA : 3.28 (Up to Level 4)

- **GCE O/L and GCE A/L**
  GCE A/L (2018)
  - 2As, 1B (Biological Stream)

  GCE O/L (2014)
  - 6As , 2Bs, C

Projects

WM Attendance Management System
Team Leader – Level two industry based project
A hybrid attendance management that allows Face Recognition for marking attendance. Contributed to algorithm design and implementation for accuracy and user-friendly functionality. The project aims to modernize attendance processes, ensuring efficient workforce management.

Technologies : ReactJS, React Native, .NET, MS SQL

Eye Diseases Detection (Ongoing)
Research Project
Eye Disease Detection project focused on leveraging computer vision for the detection of eye diseases using retinal images. Implementing advanced algorithms to enhance the accuracy and efficiency of disease identification, with the aim of revolutionizing early diagnosis and treatment through innovative technology.

Technologies : Python, TensorFlow, openCV

Infectious Diseases Controlling System
Team Leader – Level one hardware group project (Completed)
A real-life solution to the spread of viruses That can be used to neutralize viruses using sanitizer sprayers and to prevent the possibility of entry of risky peoples.

Technologies : C   Micro Controller : Atmega 32

Movie Recommendation System
Machine Learning Project
Machine Learning project that recommend movies according to user's interactions. Used movies related open source datasets.

Technologies : Python, TensorFlow, Sklearn

- Version Controlling
  - Git

- Operation Systems
  - Windows
  - Linux (Kali , Ubuntu)

- Familiar IDEs/Code Editors
  - Visual Studio
  - VS Code
  - IntelliJ
  - NetBeans IDE
  - Atmel Studio
  - PyCharm
  - Jupyter
  - Collab by Google

Personal Skills

- Leadership Skills
- Team Management
- Communication Skills
- Risk Management

Languages

- English
- Sinhala

Interests

- Learning frameworks
- Problem Solving
- Machine Learning
- Artificial Intelligence
- Deep Learning
- IoT and Embedded Systems
- Gaming
- Cricket

LearnX (Ongoing)
LMS with extraordinary features

LMS designed to effortlessly manage all key aspects of online education. From user-friendly course creation and interactive content delivery to seamless learner assessment and progress tracking.

Technologies : ReactTS, Vite, .Net, MongoDB

Automatic Water Level Measuring System
Mini IoT Project

Developed a mini IoT project for real-time water level measurement in university water tanks. The system provides a web interface for users to monitor and track water levels remotely, ensuring efficient management of water resources.

Technologies : Arduino, Firebase, React
Main Components : ESP32, NRFs, Arduino Uno, MaxSonar

Experiences

- **Software Engineer - Intern**
  Axiata Digital Labs
  2022-Dec to 2023-June

  Projects

  Dialog RPA
  AXI Webtracker Addon
  AXI Hyperautomation (ML)

  Technologies : Python, Spring Boot, JavaScript, Docker

Achievements

- Participated in Hack Moral 4.0 coding competition(2022)
- Participated in CodeRush | 2022
- MoraXtream 6.0 | 2021 - Participated
- MoraXtream 5.0 | 2020 - Participated

Extra Curricular Activities

- Member of IEEE University of Moratuwa | 2020
- Member of Rotaract Club University of Moratuwa | 2021

Referees

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