Uthsara Wickramaarachchi
Computer Engineering Undergraduate

Contact

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in https://www.linkedin.com/in/uthsara-iw

💻 github.com/uthsaraiw

Technical Skills

Programming Languages and Frameworks

Python, C, Java, Verilog HDL, ARM Assembly, PHP in HTML, JavaScript

Android Studio, Laravel framework, Flutter, Django, React, Express, Nodejs, Bootstrap, Unity

Database Systems

MySQL, FireBase, SQLite, MongoDB

Libraries and Tools

GitHub, OpenCV, numpy, matplotlib, pandas
Arduino, Rasberry pi

Personal Skills

Effective Communication
Teamwork
Leadership
Critical thinking

Language skills

Sinhala - Native
English - Professional working proficiency

I am an enthusiastic and self motivated student. I have worked with multiple projects that covers embedded systems, full stack development, machine learning and image processing. I am good at solving analytic problems and understanding the basics. I look forward to do the best in the internship program while learning new things using my skills.

EDUCATION

BSc Engineering Honors Specializing In Computer Engineering

University of Peradeniya   **2021 July - Present**
Current GPA - 3.55/4.0

G. C. E. ADVANCED LEVEL

Nalanda College, Colombo 10   **2016 - 2019**
Physical Stream - 2A 1B
Z Score- 2.056   District Rank - 177

SELECTED PROJECTS

Highest Demand Location Predict System| Group

2024 March - Present   Link

- A highest demand Location prediction system for taxi drivers, enhancing efficiency by accurately forecasting the most demanded destinations.
- Contribution - Data cleaning, Feature Engineering, Model training and fine tuning the model using Python, Pandas, Matplotlib, and Scikit-learn

3D LED Cube Holographical Display with Web Platform | Group

2023 October- 2024 January   Link

- A complete Product with a user interaction website hosted using AWS and a flutter app for connecting with the website and the embedded system controlled using Rasberrypi
- Contribution - Complete flutter app, Data communication Flow from web to Rasberry Pi, Mathematical logic for translations. Helping and contributing other sections in Hardware and Website development.
- Used Technologies - Python, Flutter, React, MongoDB, AWS, Express, Rasberrypi.

Leaf Area Detecting App with Plant Identification | Group   2023 August - 2023 September   Link

- A mobile app to scan leaves, determining their area, location, and identify the name. The app offers a seamless experience, allowing users to generate a detailed PDF report based on the scanned information.
- Contribution - Implemented the backend logic for actual leaf area detection using OpenCV and helped in sections of developing the mobile app using React native.
- Used technologies - React native, OpenCV, TensorFlow, Firebase.

Hotel Reservation Website with Admin Dashboard for users | Group   2023 March- 2023 July   Link

- A complete website for Hotel reservation with a User interface and an Admin Dashboard done using pure HTML, CSS, JS, MYSQL, PHP
- Contribution - Overall Frontend and backend creation with database operations
- Used Technologies - - HTML, CSS, PHP, MYSQL, JavaSacript.

Patient Management System | Group   2023 March- 2023 July   Link

- An App, patient Management System, for automating tasks such as report generation and admission management, ensuring a user-friendly experience for both patients and hospital staff.
- Contribution - Backend Development and Firebase connection
- Used technologies - Java, Android Studio, Firebase.

ACHIEVEMENTS

IEEE INSL Competition 2024 | Provincial Finalists
Innovation Nation Sri Lanka- A Hackathon of Innovative ideas
3D LED cube of 4096 LEDs to show and play 3D games inside

ACES Coders v10.0 | 14th Place out of 100+ competitors
An inter-university 12-hours over night coding competition organized by the University of Peradeniya.

ACES Hackathon | Winners | Social Services Category
An intra-university hackathon competition organized by the University of Peradeniya.
Idea on creating a mini website for connecting all university students for developing projects sharing notices etc.

EXTRA ACTIVITIES

SPORTS
- Boxing   2022 - Present
- Athletics   2015 - 2016

LEADERSHIP
- Secretary - Hackers' club UOP   2024 - Present
- School Prefect   2015 - 2016

VOLUNTEERING - Project Nenathambara- University of Peradeniya

CASUAL INSTRUCTOR - CO222 - Programming Methodology - University of Peradeniya 2023

REFEREES

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