AHAMED DHAHLAN

Engineering Undergraduate

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PROJECTS

GloSign: Empowering Deaf Communication
University of Ruhuna

📅 February 2024 📈 Python, C++, Arduino, ML

- Developed GloSign, a comprehensive sign language translator system aimed at facilitating communication for deaf individuals.
- Utilized gesture recognition technology, speech-to-text algorithms, machine learning algorithms for lip reading, and wearable device integration.
- Achieved 96% accuracy in gesture recognition, resulting in seamless translation of sign language gestures into text and speech.

VicDamSimu: Victoria Dam Visualization Project
Victoria, Sri Lanka

📅 December 2023 📈 Python-Pygame, Ladder

- Developed RealDamSim, a sophisticated simulation software enabling real-time visualization and control of Victoria Dam operations in Sri Lanka
- Used Python for programming logic and simulation, integrating visualization tools for an interactive user interface, enhancing understanding of dam dynamics and water flow.

RealVision+
Individual

📅 Augest 2023 📈 Python, ML, OpenCV, Matplotlib

- An Advanced Face Recognition and Expression Analysis Application.
- Developed a cutting-edge face recognition app capable of accurately identifying individuals and predicting their gender in real-time.
- Utilized deep learning algorithms to train the model on a diverse dataset, ensuring robust performance across various demographics and facial expressions.

Virtual FingerSense Control
Individual

📅 September 2023 📈 Python, ML, Mediapipe

- A Virtual PC Controller Utilizing Hand Gestures for Cursor Movement and Volume Control.
- Implemented computer vision techniques to track and interpret the movement of the user's index finger in real-time, translating it into precise cursor movements on the screen.

EXPERIENCE

Mahaweli Authority of Sri Lanka
Trainee

📅 Augest 2023 📍 Victoria, Sri Lanka

- Led the design and implementation of a cutting-edge real-time dam simulation system, meticulously crafted to cater to the requirements of the Victoria Dam Control Room and Observation Platform..

SUMMARY

"BSc(Hons) Engineering graduate with a keen interest in Artificial Intelligence, possessing strong programming skills and a passion for Machine Learning. Eager to contribute to a dynamic team, driven by the desire to leverage data for informed decision-making. Ready to bring enthusiasm, technical proficiency, and a fresh perspective to your organization."

ACHIEVEMENTS

🏆 **2nd Runners up - Haxtreme 2.0**
Secured 2nd Runners up position with price amount of LKR 10k in Haxtreme 2.0

📈 **Top 10% in AWS Deep Racer**
Secured position on top 10% worldwide in AWS DeepRacer which is conducted by AWS

EDUCATION

BSc (Hons) in Electrical and Information Engineering
University of Ruhuna

📅 Mar 2021 – Mar 2025

High School degree
Zahira College, Kalmunai, Sri Lanka

📅 Jan 2017 – Aug 2019

STRENGTHS

Hard-working · Analytical skills · Problem solving · Critical Thinking · Team working · Fast Learner

Machine learning · Deep learning · Computer Vision · LLM · SQL · NoSQL · MongoDB · Python · C++ · Arduino · Relational Database · React