

AHAMED DHAHLAN

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ABOUT ME

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.

EXPERIENCE

Trainee August 2023 - Present
Mahaweli Authority of Sri Lanka, 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.

PROJECTS

GloSign: Empowering Deaf Communication February 2024
University of Ruhuna

- ✓ 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 December 2023
Victoria, Sri Lanka

- ✓ 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+ August 2023
Individual Project

- ✓ 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 September 2023
Individual Project

- ✓ Implemented computer vision techniques to track and interpret the movement of the users index finger in real-time, translating it into precise cursor movements on the screen.

SKILLS

Technical Skills

- ✓ Machine learning
- ✓ Deep learning
- ✓ Computer Vision
- ✓ LLM (Large Language Models)
- ✓ SQL, NoSQL
- ✓ MongoDB
- ✓ Python
- ✓ C++
- ✓ Arduino
- ✓ React

Soft Skills

- ✓ Hard-working
- ✓ Analytical skills
- ✓ Problem solving
- ✓ Critical thinking
- ✓ Team working
- ✓ Fast learner

EDUCATION

BSc (Hons) in Electrical and Information Engineering

Mar 2021 - Mar 2025

University of Ruhuna

- ✓ Relevant coursework: * Digital Signal Processing * Microcontrollers and Embedded Systems * Control Systems * Power Electronics * Artificial Intelligence * Machine Learning * Data Structures and Algorithms * Object-Oriented Programming

High School degree

Jan 2017 - Aug 2019

Zahira College, Kalmunai, Sri Lanka

ACHIEVEMENTS

- ✓ 2nd Runners up - Haxtreme 2.0 (Secured 2nd Runners up position with a prize amount of LKR 10k in Haxtreme 2.0)
- ✓ Top 10% in AWS Deep Racer (Secured position on top 10% worldwide in AWS DeepRacer, conducted by AWS)

REFERENCES

References available upon request.