



HELITH DULINA

Computer Science & Engineering Undergraduate

I am an ambitious undergraduate student pursuing a BSc. Engineering Honors degree specialized in Computer Science and Engineering. I strive for excellence in every project I undertake and thrive under pressure. I aspire to utilize my interest in machine learning and computer vision to contribute to the field of data science.

EDUCATION

- B.Sc. Eng (Hons) Computer Science & Engineering University of Moratuwa**

2021- Present

- CPGA - **3.78** / 4.0
- Dean's list Semester 2 (SGPA: 3.86) and Semester 3 (SGPA: 3.80)

- Ananda College, Colombo**

2011-2020

- G.C.E Advanced Level Examination**

- 3A's - Physical Science Stream
- Z-score: 2.6447
- District Rank: **26** | Island Rank: **80**

- G.C.E Ordinary Level Examination**

- 9 A's

PERSONAL PROJECTS

Face Recognition App

Jul 2024 – Continuing

This computer vision project is a face recognition application developed using TensorFlow, OpenCV, and Kivy. The application leverages a Siamese Neural Network, designed using the principles of one-shot learning, to perform accurate face recognition with minimal training data.

- **Tech Stack: Python, TensorFlow, Kivy, OpenCV**

AI Personal Trainer

Aug 2024-Aug 2024

This is a computer vision-based project for tracking workouts. This project uses a camera to track your arm movements and counts reps based on the angle of your arm during the exercise. The project is implemented using OpenCV and MediaPipe.

- **Tech Stack: Python, MediaPipe, OpenCV**

Personal portfolio Website using BootStrap

Sep 2023 - Sep 2023

CONTACT ME

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💻 github.com/helithd

📍 91/1A, Kidagammulla,
Gampaha, Sri Lanka

TECHNICAL SKILLS

Programming Languages

- Python
- Java
- C++

Machine Learning

- NumPy
- Pandas
- TensorFlow
- Keras
- Matplotlib

Database Systems

- MySQL

Web Development

- HTML
- CSS
- JavaScript
- Bootstrap

Academic Interests

- Data Science
- Machine Learning
- Computer Vision
- Mathematics
- Statistics

Other Interests

- Swimming
- Cricket
- Badminton

Skills

- Teamwork
- Communication Skills
- Problem solving
- Adaptability
- Quick Learner

Languages

- Sinhala
- English

REFERENCES

- **Prof. Dulani Meedeniya**
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Department of Computer
Science and
Engineering,
Faculty of Engineering,
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- **Dr. Uthayasanker Thayasivam**
Head of Department,
Senior Lecturer,
Department of Computer
Science and
Engineering,
Faculty of Engineering,
University of Moratuwa, Sri
Lanka.
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PROJECTS

Bus Arrival Time Prediction

June 2024 – Continuing

For my ongoing semester 5 project, our team was tasked to prepare a machine learning model to predict the arrival time of buses along a bus route and prepare a dashboard to provide the arrival time information.

- **Tech Stack:** Python, pytorch, React

Supply Chain Management System

Sep 2023 – Nov 2023

As my semester 3 project, our team developed a Supply Chain Management System for a company to enhance and streamline their supply chain operations. The system manages railway and truck transport, schedules drivers and assistants, handles advance orders, provides sales and operations reports, and tracks customer data.

- **Tech Stack:** MySQL, React, Svelte, Express JS

LICENSES & CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification
- AWS Academy Graduate - AWS Academy Machine Learning Foundations
- Intro to Machine Learning

EXTRA-CURRICULAR

- Logistics Committee Member – CSE Careers Day 2024
- MORA Hiking Club - Member (2023 - Present)
- Member of Science society – Ananda College
- Swimming and Badminton as a Sport – Ananda College