



# Dilanya Samarakoon

Information Technology Graduate

As an aspiring IT Fresh Graduate, I am eager to apply my technical skills and knowledge to gain practical experience in a professional setting. I am a highly motivated individual with a strong passion for coding and problem-solving. I am a quick learner, and team player, and possess excellent communication skills. I am looking forward to contributing to the organizational success while also learning from experienced professionals in the industry.

## CONTACT



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[Dilanya](#)



[Dilanya Samarakoon](#)



[dilanya.me](#)

## TECHNICAL SKILLS

### Programming Languages

- Python
- PHP
- Java
- R

### Web Development

- React JS
- JavaScript
- HTML
- Node.JS
- CSS
- Express

### Mobile Application Development

- React Native

### Database

- MySQL
- MongoDB
- Firebase

### Other Technologies and Tools

- Postman
- Adobe Photoshop
- GitHub
- Adobe Illustrator
- Roboflow
- Adobe Premiere Pro
- Adobe XD
- MS Office

## SOFT SKILLS

- Written and Verbal Communication
- Presentation Skills
- Teamwork
- Creativity
- Adaptability

## EDUCATION

### B.Sc. (Hons) in IT - University of Sri Jayewardenepura

Second Class Upper division

GPA - 3.45

## EXPERIENCE

### Backend Developer - Intern

Rooster Commerce - From September/2023 to Present

Technologies - Node JS, Express, Restful API, JavaScript, PHP, MongoDB, SQL

## CERTIFICATIONS

### MERN Stack Training Course

University of Colombo School of Computing

### Postman API Fundamentals Student Expert

Postman

### AI/ML Engineer - Stage 1

SLIIT

### Introduction to Deep Learning with OpenCV

LinkedIn Learning

### Introduction to TensorFlow for Artificial Intelligence, Machine Learning and deep learning

Coursera

### CompTIA Network+ (N10-007) Cert Prep: 7 Wireless, Virtual, Cloud, and Mobile Networking

LinkedIn Learning

### Learning Salesforce.com Development

LinkedIn Learning

## RESEARCH WORKS

### A Deep Learning Approach to Identify Sri Lankan Sign Language Realtime

In my research, I used video data that contain Sri Lankan Sign Language and split the dataset into frames using OpenCV. Then extracted the Mediapipe Landmarks from the frames and create the dataset using those data. The Model successfully train to identify 14 signs using a Multi-Layer Perceptron Model.

Technologies used - Mediapipe, OpenCV, TensorFlow

# ORGANIZATIONAL EXPERIENCE

## Junior Treasurer | 2022-2023

ICT student Association - Department of Information Technology  
University of Sri Jayewardenepura

## Faculty Ambassador| 2021-2022

IEEE Student Branch - University of Sri Jayewardenepura

## Member | 2022-Present

Leo Club of University of Sri Jayewardenepura - 306 A2

## Member - IT Team | 2023- Present

Leo District 306 A2

# REFERENCES

## Mr. Samitha Nanayakkara

B.Sc. (Hons) in Computer Science (USJ),  
MBCS (UK), MIEE (USA), Mphil in Comp. Sci. (Reading)  
Lecturer | University of Sri Jayawardenepura,  
Email: san@fhss.sjp.ac.lk  
Phone: 071 687 5695

## Mr. Pasindu Walpitagama

Chief Executive Officer, Rooster Commerce  
Email: creativegalle@gmail.com  
Phone: 077 912 0421

# PROJECTS

## Leo MD 306 Official Website - Project Through the eyes of Leos

As the web developer for Leo Multiple District 306, I created the official website for the Leo Movement in Sri Lanka and the Maldives. This movement is a youth service organization that is affiliated with Lions Clubs International. The website is part of the project Through the Eyes of Leos.

Technologies Used - HTML, Bootstrap, PHP, JavaScript

Link - [leomd306.org](http://leomd306.org)

## Personal Portfolio Website

This is a website I created for my personal use as my personal Portfolio. It includes all the work and information related to me.

Technologies used - React, TailwindCSS, ThreeJS, vite, and Framer Motion

Link - [dilanya.me](http://dilanya.me)

## ERP - System

In this project, I created an ERP system to handle customer details, Item Details and reports.

Technologies Used - PHP, MySQL

Link to Project - [ERP-system](#)

## We@FHSS - Web Team

We@FHSS is the latest mobile application of the Faculty of Humanities and Social Sciences, University of Sri Jayewardenepura. It allows faculty members and students at the Faculty of Humanities and Social Sciences to access important notices, academic results, and other support services. The web app is for the staff and admin users to manage the mobile app easily. I joined the team as a Frontend Developer.

Technologies Used - React, Bootstrap

## Phoenix Hotel - Web Development project

This is a project done as an Academic project.

Technologies used - React, Bootstrap, Node.js, Express, and MongoDB

## Chess Pieces Detection Model

This is a project I have done in my leisure time. In this project create the dataset by capturing images from a mobile phone and annotate using Roboflow. Yolov8 use to train the model.

## Medicare - Quality Assurance Project

This is an academic project done to learn the testing process of software. For the project developed Test Plan, Test Design, and Cases, and Defects report and did the testing process under various testing methods.

# ACHIEVEMENTS

## Best Research Abstract & Presentation - 1st Place

### Vidyodaya Undergraduate Research Day 2023/2024

### University of Sri Jayewardenepura

Title - Decoding Sri Lankan Sign Language through Deep Learning

## Project Organized on behalf of the Leo Multiple District - Finalists

Project Through the eyes of Leos

## Project for Betterment of Leoism - 2 nd Runner -UP

Project Through the eyes of Leos

## Participants

MADHACK - Inter university mobile application development hackathon organized by IEEE Student Branch of UCSC