SACHINTHA WEERASINGHE

CONTACT

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https://www.linkedin.com/in/sachintha-weerasinghe

https://sachinthaweerasinghe.github.io/

https://github.com/SachinthaWeerasinghe

KEY SKILLS

- Java Programming
- C Programming
- JavaScript
- Full Stack Software Development
- SQL
- PHP
- Machine Learning
- Deep Learning
- Artificial Intelligence
- Data Science
- C# Programming

CERTIFICATIONS

Completion of Advanced Multimedia Web Design and Development training program - 2021 (University of Colombo School of Computing)

Completion of "Master English: Improve Your Speaking, Listening, & Writing" online course in Udemy

ACHIEVEMENTS

Qualified for Microsoft Imagine Cup 2024

https://chronic-kidney-disease-risk-prediction.vercel.app/

Dean's List 2019/2020
Dean's List 2020/2021

EDUCATIONAL QUALIFICATION

BSc. (Hons) in Computer Science 2021 - 2024
Undergraduate, Faculty of Science, University of Kelaniya.
Current GPA - 3.89

Bandaranayake Central College Veyangoda. 2011-2019

GCE Advanced Level Examination 2019
3C's in Physical Science Stream (z-score - 0.9195)

GCE Ordinary Level Examination 2016
8A's & 1B

UNIVERSITY PROJECTS

E-LEARNING FULL STACK SOFTWARE DEVELOPMENT

This project facilitates educational support for students, their parents, and teachers, and it was developed using React and Springboot. It includes features such as lesson material library, lesson video streaming, and online quizzes with real-time scores for progress tracking and note-taking facility for the users.

https://github.com/orgs/AIS-Learning-Group2/repositories

AGRICULTURAL PRODUCT SALES WEB APPLICATION

Agri products (harvest, fertilizers) buying and selling web application that facilitates both farmers and sellers to streamline their business process effectively. This was developed using HTML, CSS, JavaScript, and PHP.

https://github.com/SachinthaWeerasinghe/Harvesto_Agri

Sinhala character recognition system using Convolutional Neural Networks (CNN)

Sinhala characters are recognized accurately by a well-trained CNN with image-processing techniques.

https://github.com/SachinthaWeerasinghe/Deep-Learning-Mini-Project-01-PS-2019-259

The Stock Price Prediction System utilizing LSTM Recurrent Neural Networks

This LSTM-RNN model forecasts the variations in the stock price values of one of the reputed Sri Lankan banks, by using its historical share price data from 2019 to 2023.

https://github.com/SachinthaWeerasinghe/Deep-Learning-Mini-Project-02-PS-2019-259

English to Sinhala translation system using Transformer Neural Network

This project translates English text into the Sinhala language by using the Transformer Neural Network which was trained using a large dataset of English texts with their Sinhala translations.

https://github.com/SachinthaWeerasinghe/Deep-Learning-Mini-Project-03-PS-2019-259

Chronic Kidney Disease Prediction Application Using Machine Learning

This project predicts the risk of being a victim of Chronic Kidney Disease by analyzing the lifestyle factors. Random Forest ML model, React, and Flask were used for the development. This project was done for Microsoft Imagine Cup 2024

https://github.com/SachinthaWeerasinghe/CKD-Prediction-Frontend
https://github.com/SachinthaWeerasinghe/CKD-Risk-Prediction

LIBRARY MANAGEMENT SYSTEM

This is a supportive application for library employees for effective management of the library, which is developed using the C# programming language.

https://github.com/SachinthaWeerasinghe/Library-Management-System

WHO Global Child Malnutrition Prediction Data Science Project (Ongoing)

This is an ongoing project with the WHO Global Malnutrition Dataset to predict the malnutrition risk of a certain child group in a particular country. Exploratory Data Analysis and Data Preprocessing with Python Stages have been covered.

https://github.com/SachinthaWeerasinghe/DataScienceProject-WHO_Malnutrition_Prediction

Law Strategy Prediction System for Motor Traffic Accidents Based on the Legal Framework of Sri Lanka - Final Year Research Project (Ongoing)

This is the ongoing final year research project for the legal Strategy prediction system based on the image and observational data of the accident scenario by using advanced image processing and neural network techniques.

REFERENCE

Dr. B. M. Thosini Kumarika
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University of Kelaniya.
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