Dilusha Madushan

UNDERGRADUATE OF MORATUWA UNIVERSITY, SRI LANKA

- 📍 127, Henmulla, Kochchikade
- ✉️ dilushamadushan9912@gmail.com
- ◈ github.com/Dilusha-Madushan
- in linkedin.com/in/dilusha-madushan-b00071210
- 📞 071 4627887

PROFILE

Enthusiastic Undergraduate in Computer Science & Engineering, specializing in Machine Learning and Data Science. Skilled in both Machine Learning and Web Development, I excel at creating innovative and user-friendly solutions by combining these two powerful technologies. Eager to apply my comprehensive skill set in real-world applications, pushing the boundaries of what's possible in the tech landscape

EXPERIENCE

Part-Time Machine Learning & Software Engineer
Jul 2023 - Oct 2023

CML Insights Inc.

Python | Dask | Kubeflow | Go | PostgreSQL

- Applied expertise in Python and Go to ongoing machine learning projects.
- Enhanced existing ML pipelines with Dask, improving memory efficiency with parallel computing.

Machine Learning & Software Engineer Intern
Jan 2023 - Jun 2023

CML Insights Inc.

Python | Kubeflow | Go | PostgreSQL | GCP

- Trained as a Machine Learning & Software Engineer, working extensively with Python and Go.
- Implemented machine learning workflows using Kubeflow.
- Worked on back-end development using Go and PostgreSQL.
- Worked with cloud-based services on the Google Cloud Platform (GCP).

EDUCATION

BSc Eng. Hons (UG)
Jan 2020 - present

Dept. of Computer Science & Engineering, University of Moratuwa

- Specialized in Data Science and Machine Learning Engineering.
- Current SGPA of 3.83 out of a maximum of 4.2
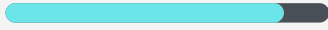
Aquinas English Diploma
Sep 2018 - Jun 2019

Aquinas Institute/ Colombo

- Post Graduated in Basic English language.
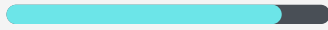- Gained extensive training and successfully accomplished the Diploma.
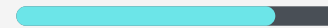
Java

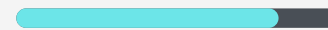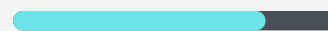Python

Golang

PHP

Node js

Springboot

Flask

React js

MySQL

MongoDB

Firebase

PowerBI

TensorFlow

Spark

G.C.E Adavanced Level Examination   Jan 2016 - Aug 2018

Maris Stella College Negombo

- Done in Mathematical Stream
- 3 A passes in Mathematics, Physics & Chemistry with district Rank 32

G.C.E Ordinary Level Examination   Jan 2014 - Dec 2015

Maris Stella College Negombo

- 8 A passes including math and science

PROJECTS

NSIS Student Management System (2021)   May 2021 - Sep 2021

SpringBoot | Java | Node js | MySQL | AWS

- This is a currently running school student management system in Negombo South International School Network's Piliyandala branch.
- This system contains a sub-system for displaying student personal information for student parents and for that system, this works as REST API.
- Worked on Development in back-end with Spring boot & mysql

HR Management System   Feb 2022 - Apr 2021

Node | React js | MySQL

- This project is done to handle the resources both human and things in a company or organization.
- The project follows the MVC structure on the back-end side.
- Involved in bakc-end development with Node js & mysql

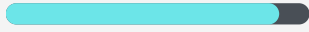**Docship**   Sep 2021 - Dec 2021

PHP | Bootstrap | HTML | MySQL

- This project is done for introduce online consulting platform any patient to consult any doctor they like.
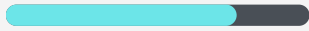- The project follows standard MVC structure without any frameworks.

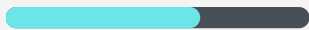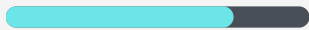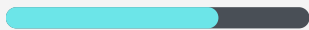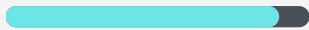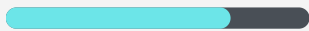### Customer Churn Analyzing & Prediction
Feb 2022 - Jul 2022

Python | Streamlet | Scikit-Learn | Plotly Express | Pandas

- Predicted customer churn for Chatterbox Telco using machine learning.
- Created an interactive dashboard for analysis with Streamlit and Plotly.

InsurePro - Vehicle Insurance Analyzer
Sep 2022 - Dec 2022

Python | Scikit-Learn | React js | Firebase

- Analyzed key factors influencing client decisions for vehicle insurance, building a predictive model.
- Developed an interactive dashboard using React JS and JavaScript chart libraries for data visualization.

Blockchain Extendible On-chain Analysis Framework
Sep 2023 - current

Python | Go | React js | Avalanche

- An open-source SaaS platform for analyzing blockchain data, starting with Avalanche and expanding to Bitcoin.
- The framework comprises three key components, responsible for ETL of blockchain data and enabling user interaction with processed data.

Bitcoin Anomaly Analysis
Sep 2023 - current

Python | Scikit-Learn | Bitcoin

- Analyzed Bitcoin transaction data to identify illicit addresses, using labeled data from the BABD-13 dataset.
- Developed a machine learning solution to classify addresses based on statistical information from their transaction history.

CERTIFICATES

Data Science Challenge from Dialog Axiata(2021)
Jan 2021 - Mar 2021

- A certification offered by University of Moratuwa with Dialog Axiata on a data science challenge

REFERENCES

Dr. Sapumal Ahangama

Senior Lecturer
Dept. of Computer Science & Engineering
Faculty of Engineering, University of Moratuwa, Sri Lanka.

sapumal@cse.mrt.ac.lk

Imantha Ahangama

Machine Learning Engineering Lead
CML Insight Inc.

imantha.ahangama@gmail.com

AWS Academy Data Engineering Oct 2023 - Dec 2023

AWS Training and Certification

- Certification is issued by Pearson (UK),

Web3 and Blockchain Fundamentals

Dec 2023

Coursera

- Acquired knowledge in Web3 and Blockchain

Generative AI with Large Language Models

Dec 2023

Coursera

- Acquired knowledge in Generative AI and Large Language Models (LLMs), focusing on fundamentals and real-world application deployment.

RESEARCH PAPERS

Customer Churn Prediction(2022)

link

- A comparison of the performance of different machine learning models to foresee the customer churn is presented in this paper

MINI PROJECTS

Unet Brain-MRI-Segmentation (2022)

Python | TensorFlow | Kaggle

- Developed a Brain MRI tumor detection model using Kaggle's segmentation dataset, classifying each pixel for tumor presence.

DeFiChainApp (2023)

Motoko | ICP | DeFi

- A project focusing on DeFi application development using Motoko on the Internet Computer platform