ROMAYLE
DHARMASENA

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CONTACT

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ABOUT ME

I have a strong passion for technology in the field of Software Development. My future ambitions and career goals is to become a full-stack / application developer with a particular focus on utilizing Machine Learning technology. I am confident that with the right opportunities, guidance and dedication that I can achieve my goals and make a meaningful impact in the industry.

TECH STACK

LANGUAGES

- Java
- Python
- HTML & CSS
- JavaScript
- R

FRAMEWORKS

- React
- Flutter
- Tailwind
- Flask
- Swing(Java)

EDUCATION

BENG (HONS) IN SOFTWARE ENGINEERING
University of Westminster, UK
Informatics Institute of Technology, Sri Lanka

A/L MATH'S STREAM
St. Sebastian's College,
Uyana Moratuwa.

PROJECTS

A MOBILE APP FOR THE DEAF

Flutter, Flask | Repository Link

- A Developed mobile application for assisting the deaf community, featuring text to ASL, audio to ASL and video to ASL translation functionalities. Additionally, implemented a floating doc feature for ASL output in YouTube videos. Collaborated on the project as part of a second-year group project.

WEB PORTFOLIO

React, Tailwind | Repository Link

- Explore a showcase of my skills, projects, and accomplishments in a dynamic online format. Navigate through a collection of my work, including website designs, coding projects and creative endeavors.

A SHOPPING CART MANAGEMENT SYSTEM

Java Swing, Java | Repository Link

- Created a Java Swing-based Shopping Cart Management System facilitating easy browsing, item selection. Features include inventory management, total calculation, and seamless user interface, demonstrating expertise in Java programming and user-centric design.

PROJECTS

DATA ANALYSIS & FORECASTING

R | [Repository Link](#)

Completed comprehensive projects in R focusing on data analysis and forecasting techniques. Utilized partitioning clustering algorithms on a dataset of white wine varieties, employing techniques such as outlier detection, scaling, and k-means clustering. Additionally, implemented multilayer perceptron neural networks for exchange rate forecasting, experimenting with various input vectors and network structures to optimize predictive accuracy

A TASK MANAGEMENT APPLICATION

MERN Stack | [Repository Link](#)

Developed a full-stack web application utilizing the MERN stack (MongoDB, Express, React, and Node.js). The project involved creating a dynamic and responsive user interface with React, implementing server-side logic with Node.js and Express, and managing data storage with MongoDB. The application features CRUD operations, and RESTful API integration, showcasing proficiency in modern web development technologies.

EXTRA ACTIVITIES

Former Prefect of the College.
Treasurer of the College's Aeronautical Society.
Former College Basketball Player.

MODULES DONE

YEAR 01

- 4COSC006C.1 Software Development I
- 4COSC010C.2 Software Development II
- 4COSC011C.2 Web Design and Development
- 4COSC007C.1 Mathematics for Computing
- 4COSC009C.2 Computer Systems Fundamentals
- 4COSC008C.1 Trends in Computer Science

YEAR 02

- 5SENG003C.2 Algorithms: Theory, Design and Implementation
- 5DATA001C.2 Machine Learning and Data Mining
- 5COSC019C.1 Object Oriented Programming
- 5COSC021C.Y Software Development Group Project
- 5COSC020C.1 Database Systems
- 5SENG007C.1 Software Engineering Principles and Practice

EVENTS AND COMPETITIONS

- **CODESPRINT 7.0** powered by AZENDTECH
- **IX 2023,** Inter-University Designathon powered by Econsulate
- **TECH TRIATHLON** by ROOTCODE
- **PYHACK 2.0** (Coding Competition)
- **Google IO Extended Sri Lanka 2023** Powered by ideamart (TRACE CITY)
- **Summer Bootcamp 2023** organized by The Mozilla Campus Club
- **Flutter Bootcamp 2.0** by The Women in FOSS Community & Mozilla Campus Club of IIT
- **CODESPRINT 8.0** organized by the the IEEE Women in Engineering Affinity Group and the IEEE Computer Society Student Branch
- **React & React Native Cross-Platform Development Bootcamp** powered by Asyncdot

NON RELATED REFEREE'S

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