AYESH VININDA

AI ENTHUSIAST

ABOUT ME

I am a programming geek, who always thinks the only way to discover my limits is to go beyond the impossible. I am highly interested in Artificial Intelligence and Deeplearning areas. Currently I am studying at department of Computer Science and Engineering in University of Moratuwa.

CONTACT ME

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SKILLS

- Java
- Python
- PHP
- JavaScript

- Node
- Express
- Next.js
- React
- Flask
- FastAPI

- MySQL
- MongoDB
- Firebase

- Tensorflow
- PowerBI
- PySpark
- Databricks

- Docker

EDUCATION

2020-present

University of Moratuwa
BSc in Computer Science & Engineering
Currently and undergraduate in third year with a 3.8 GPA. Dean list in semester 1,2,3

2018-2019

IJSE| Institute of Software Engineering
Diploma in Comprehensive Master Java Developer.

2009-2018

Mahinda College
School education up to A/L
Got 3 A passes in A/L including Mathematics ,Physics and Chemistry.

PROJECTS

Aug 2022 - present

API Gateway Monitoring System
API gateway performance monitoring system detects anomalies and identify the insights of it.
- Preprocessing different parameter tables.
- Interactive visualization using chart.js.
- Anomaly detection using ml models and alert system.
- Report generation

Apr 2022 - Jul 2022

Parkinson Disease Detection System
Machine learning based web application to diagnose Parkinson disease among the community using hand drawn images.
- Developing RESTAPI using flask with two machine learning models to detect healthy or not using hand drawn spiral and wave images.
- Developing MySQL database using Prisma ORM.
- Developing Nodejs application with using express framework doing authentication /authorization ,handling disease detection for the patient, view the reports .
- Connect react frontend and node backend using Axios.

Jan 2022 - Jul 2022

Customer Churn Dashboard

This dashboard helps to identify valuable insights for making decisions to company managers.

- PowerBI embedded interactive dashboard to identify insights of the dataset.
- ML RESTAPI using Flask to predict churn.
- Firebase authentication, Use Firestore to store the decisions and tasks.

Jan 2022 - Jul 2022

Banking System

Banking web application which can used by all the branches of the bank and its customers. NodeJS and Express backend with MySQL database with EJS template engine.

- Connecting database using Knex.js ,implementing migrations and seeding.
- Handling different kinds of user registrations and user roles, maintain Fixed deposits automatically.
- Applying advanced SQL queries, events ,triggers ,transactions

Sep 2021 - Dec 2021

Web application for vehicle rental service

- Working on frontend web development using React.JS and tailwind.css
- Handling social logins, connecting backend with Axios, chat application, view locations.

Sep 2021 - Dec 2021

Clinical Trial Management System

- Developed a web application for pharmaceutical companies to manage clinical trials.
- Implemented by using PHP and MySQL

MINI PROJECTS

Audirea - Music generator

- Used ESAC folksongs dataset which has krn files
- Applying preprocessing steps convert krn text into same time interval sequence data.
- Implement RNN model using tensorflow LSTM layers.

Dumbbell bicep curl detection

- Simple program to detect one hand bicep curl using OpenCV and mediapipe.
- Identify correct movement for the bicep curl showing the hand position as stage.
- Counts the repetitions and display it.