

ANUKA DINITH HETTIARACHCHI

• anuka3382@gmail.com • github.com/anukah • linkedin.com/in/anukahettiarachchi

EDUCATION

BSC Hons. in Computer Science

May 2022 - Present

Faculty of Science, University of Peradeniya

- Mathematics, Computer Science & Statistics

Trinity College, Kandy

2006 - 2020

- G.C.E. (A/L) - 2020 - Physical Science Stream
- G.C.E. (O/L) - 2017

WORK EXPERIENCE

Part Time Mathematics Tutor at Third Space Global

Dec 2023 - May 2025

PROJECTS

SCOREBOARD

A frontend web application to manage and display the scoreboard for the Basketball Event at the Inter University Games 2024. The application provides a user-friendly interface for managing team scores, tracking fouls, controlling the game timer, and updating match statuses which enhanced the overall experience of the tournament setting new standards.

Technologies : Next.js, React

Key Features : Score Management and Display, Fouls Tracking, Timer Control, Match Status

Link : [scoreboard](#)

HOMEWORTH-MELBOURNE

A full-stack web application to predict house prices in Melbourne based on property features. The application uses a FastAPI machine learning backend and an interactive Next.js frontend, providing users with an intuitive way to view property price predictions and compare them to nearby properties.

Technologies : Python, FastAPI, scikit-learn, joblib, VotingRegressor(Linear Regression, Random Forest, Gradient Boosting), CORS, Next.js, Recharts, Tailwind CSS

Key Features : Property Price Prediction using a machine learning model, Comparison with Nearby Properties, User-Friendly Interface

Link : [homeworth-melbourne](#)

ECOMATE-V1.0

Played the role of team leader in the group project involving the development of a portable, Arduino-based device for real-time CO and HC emission monitoring. Integrated with a mobile app using Expo and an ESP32 Wi-Fi module to transmit data, EcoMate allowed users to assess vehicle emissions on the go, promoting environmental and vehicle health and compliance.

Technologies : Arduino, C++, Expo, Node.js, Tailwind CSS

Key Features : Real-time monitoring, temperature tracking, wireless communication, and mobile app integration for user-friendly reporting.

Link : [ecomate-v1.0](#)

FOSID.LIVE (Ongoing - Group)

Member of the app development team responsible for developing the web application for the Industry Day of the Faculty of Science, University of Peradeniya. The application facilitates event management and provides a platform for interaction between students and industry professionals.

Technologies : Next.js, Nest.js, MySQL, TypeORM, Tailwind CSS, Nginx, Ubuntu

Key Features : Event scheduling, Event management with User Registration and Login, Queue Management, Room Management.

RESEARCH EXPERIENCE

Development and Analysis of a Custom Air Quality Monitoring System (Ongoing - Individual)

IoT, EDA, Python, Statistical Modeling, Data Collection, Data Visualization

Predictive Modeling for Bike Trip Forecasting (Ongoing - Group)

EDA, Feature Engineering, Machine Learning, Python, Statistical Modeling, Data Visualization.

VOLUNTEER WORK AND AFFILIATIONS

Community Service - Faculty of Science

Conducted a Mathematics Seminar for Ordinary Level Students at K/Uduwela Buddhist College, Kandy

Active Member - ROTARACT in University of Peradeniya

Organising committee member for "Reach for Water" a project aiming to provide pure drinking water to underserved rural areas.

EXTRA CURRICULAR

Team Member - Badminton Team of the University of Peradeniya

2022 to Present

Colorsman - year 2022

Programming Team Member - IEEE Computer Society of the University of Peradeniya

Oct 2024 to present