



ABOUT

Inquisitive, energetic and self driven computer science student skilled in leadership, excellent communication and passion with a proper foundation in Mathematics, Statistics, Programming Logic, and Coding. Seeking to leverage solid development skills with a focus on collaboration, communication and innovation.

CONTACT

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University Quarters, North
End, University of
Peradeniya.
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SKILLS

- Programming Languages
 - Java, Javascript, Typescript, Python, C++, R
- Web Development
 - NextJS, ReactJS, NodeJS, TailwindCSS
- Databases
 - MySQL, PL/SQL
- Other
 - Git, FastAPI, CORS



EDUCATION

- Bachelor of Science** 2022 to present
Mathematics, Statistics & Computer Science
Faculty of Science | University of Peradeniya
- Trinity College Kandy** 2006 - 2020
G.C.E. (A/L) - 2020 - Physical Science Stream - 3B's
G.C.E. (O/L) - 2018 - 9A's



WORK EXPERIENCE

- Part Time Mathematics Tutor at Third Space Global**
Dec 2023 to present



PROJECTS

SCOREBOARD

- A web application to manage and display the scoreboard for the Basketball tournament 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 Hooks, shadcn/ui
- Key Features:**
 - Team Selection, Score Management, Fouls Tracking, Timer Control, Match Status
- Link:** [scoreboard](#)

HOMEWORTH-MELBOURNE

- Overview :** A full-stack web application to predict house prices in Melbourne based on property features. The application leverages a FastAPI-powered 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 model (Linear Regression, Random Forest, Gradient Boosting), CORS Middleware, Next.js, ShadCN UI, Radix UI, Recharts, Tailwind CSS
- Key Features:**
 - Property Price Prediction using a machine learning model, Comparison with Nearby Properties, User-Friendly Interface
- Link:** [homeworth-melbourne](#)

PERSONAL SKILLS

- Fast Learner
- Excellent Communication
- Passionate
- Self - Motivated
- Team Leader/ Player
- Reliable

REFERENCE

Dr. Erunika Dayaratna

Senior Lecturer- Computer Science
Department of Statistic and
Computer Science
Faculty of Science
University of Peradeniya
Email : erunika.dayaratna@sci.pdn.ac.lk

Mr. Keerthi Munasinghe

Director - Manufacturing
SILUETA (PVT) LTD
Lot 14, Zone 1,
Biyagama Export Process Zone,
Walgama, Malwana, Sri Lanka.
Email : KeerthiM@mashholdings.com

PLSQL SALES MANAGEMENT

- **Overview :** This practice project is a PL/SQL-based sales management system to manage customers, products, transactions, and inventory. Designed robust procedures and functions for handling CRUD operations, validating data, and calculating YTD sales totals.
- **Technologies:** Oracle SQL, PL/SQL, SQL, Docker
- **Key Features:** Database Design, Automated Procedures, Sales Analytics
- **Link:** [plsql-sales-management](#)

FOSID.LIVE

- **Overview :** 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, Typescript, Tailwing CSS, Firebase, Ngnix
- **Key Features:**
 - Event scheduling, Event management with User Registration and Login, Queue Management, Room Management.
- **Link:** [fosid.live](#)

ECOMATE-V1.0

- **Overview :** 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 allows 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](#)



VOLUNTEER WORK AND AFFILIATIONS

Community Service | Faculty of Science

Jan 2024

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

Active Member | ROTARACT in University of Peradeniya

Jan 2023 to present

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

Half-Colorsman - year 2022

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

Oct 2024 to present