G.M.S. MIHISHAN GUNASEKARA

• +94-787-969-419 • mihishanofficial@gmail.com

LinkedIn / **GitHub**

SUMMARY

Motivated Undergraduate Software Engineering student passionate about front-end development, including Flutter, Figma, and modern UI/UX design. Skilled in crafting interactive and user-friendly applications. Seeking an opportunity to apply design expertise and develop cutting-edge digital experiences.

PROJECTS

Ceypetco FuelX
In Progress

Data- Driven Fuel Analytics & Management System for Ceypetco

Developed an advanced fuel station management system to streamline inventory tracking, predict fuel stock levels, and automate operational workflows, replacing manual processes to improve efficiency and accuracy.

Frontend Development : Built a web-based management system using **React.js, HTML, CSS, andJavaScript**, ensuring an intuitive interface for fuel station operators.

Mobile Application Development : Developed a **Flutter-based** mobile app for real-time fuel pumpreadings using OCR technology, reducing data entry errors.

Backend & Database Management : Integrated **Node.js** and **PHP** for backend functionalities, with **MySQL** and **Firebase** for data storage.

Fuel Stock Prediction & Analytics : Implemented predictive analytics models to estimate fuelconsumption and optimize inventory restocking.

Tavola v1.1
Completed

Table Reservation Web Application - Tavola v1.1

Designed and implemented a robust table reservation system with customizable features, improving user experience and optimizing restaurant operations.

Frontend Development : Designed an interactive UI using **HTML, CSS,** and **JavaScript**, ensuring anintuitive and visually appealing user experience.

Backend Development : Implemented a **PHP-based** backend to handle reservation processing, userauthentication, and data management.

Database Management : Utilized **MySQL** to store reservation details, user profiles, and bookinghistory efficiently.

Wildlife Park Management System (Wilpattu National Park)   **Completed**
 Wilpattu Wildlife Mobile Application

Developed a mobile application to digitalize Wilpattu National Park's services, enhancing accessibility, operational efficiency, and visitor experience.

Frontend Development : Designed an intuitive mobile app interface using **Figma** and implemented it with **Flutter**, ensuring a seamless user experience. Developed interactive maps for real-time navigation within the park.

Core Functionalities : Online Ticket & Accommodation Booking: Enabled visitors to purchase entry tickets and reserve bungalows digitally. Guide Booking System: Integrated a feature to hire registered wildlife guides with real-time availability updates. Wildlife & Park Information Portal: Provided tourists with detailed insights about animals, viewpoints, and park rules.

Backend & Database Management : Integrated **SQLite** for offline data storage and cloud-based **Firebase** for real-time ticketing, booking, and payments. Implemented secure authentication and payment processing using **Stripe** and **PayPal APIs**.

EDUCATION

BSc (Hons) Software Engineering   **Oct 2022 - Present**
Colombo International Nautical and Engineering College.(CINEC Campus)

IT Charted Diploma (Bcs)   **In Progress**
Matrix Institute of Information Technology, Colombo 04

Short course in English   **March 2017 - June 2017**
Insitute of Human Resource Advancement University of Colombo

National Trade Test for Computer Hardware Craftsman & Networking NVQ level 3
Democratic Socialist Republic of Sri Lanka

Advanced level Examination - Engineering Technology Stream   **2017 - 2019**
Central College - Homagama

PUBLICATIONS

"Decentralized applications (DApps) can be effectively applied outside the Financial Industry"
Published an abstract and Participated Poster presentation in 5th Cinec International Research Symposium

ADDITIONAL INFORMATION

Technical Skills

- **Programming Languages:** C, Python, React
- **Web Development:** HTML, CSS, JavaScript, PHP
- **Mobile Development:** Flutter
- **Version Control:** GitHub
- **UI/UX design:** Figma
- **Databases:** MySQL
- **Development Tools & IDEs:** Visual Studio Code, Android Studio, Eclipse

Soft Skills

- Able to communicate effectively with others.
- Open to new ideas and willing to learn new ways of doing things.
- Independent and self-reliant but also a team player.
- Flexible mindset for workplace flexibility.
- Able to lead a team and work well in team.

Extra Curricular Activities

- Head of Graphic Design pillar of the TechStrick Club,CINEC Campus
- Director of the Information and Technology Club, Central College Homagama
- Member Of School Scouting Group (Since 2012)

REFERENCES

Mr. Uditha Hewawasam
Engineer at ITN
158/89, 2nd lane, Big city, Balika niwasa road, Rukmale, Pannipitya
Phone: +94 777-273-474

Mr. Hasitha Perera
Purchasing Executive
716/2A, Romiyel mawatha, Panagoda, Homagama
Phone: +94 777-867-353