# G.M.S. MIHISHAN GUNASEKARA

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**LinkedIn** /**Portfolio**/ **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)

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### REFERENCES

**Mr. Uditha Hewawasam**
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