



Lakindu Widuranga Alwis

Self-taught Full-Stack Developer
Undergraduate at SLIIT

ABOUT

I'm a passionate Software Engineering student, a self-taught Full-Stack developer, an AI researcher, a blogger, and a tech enthusiast. I have won Hackathons and completed numerous projects that have allowed me to delve into various cutting-edge technologies. My love for learning and researching has been with me since childhood, and I am dedicated to making a positive impact in the tech community. Additionally, I actively contribute to open-source projects.

EDUCATION

• SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

B.Sc.(Hons) in Information Technology - Specializing in Software Engineering

- Member of the Free and Open Source Community.

• MAHANAMA COLLEGE, COLOMBO 03

(G.C.E) Advanced Level - **Physical Science Stream** 2020

- **Passed Advanced Level exam.**
- Subjects - **Physics, Combined Mathematics and ICT**
- Technical Officer at ICT society
- Member of the School Science Society
- Member of the school English Literature Society

PROJECTS

• GYMLY - GYM MANAGEMENT SYSTEM

- GYMLY is a gym management system. It enables GYM owners to make their GYMs fully automated.
- The user Management part of this system is handled by me.
 - Under the user management users can register for the GYM and get a GYM membership online. Registered users have functionalities like updating their profile, getting notifications, generating monthly reports and Make Attendees.
 - Also, there is an **AI-based BMI tracking system**.
 - Used the same engine(Davinci-003) which use for a ChatGPT.
- Technologies - **MERN-STACK, OpenAI, Bootstrap, JWT Token, Bcrypt**
- Methodology - **SCRUM**
- Commercial Website - <https://masterlwa.github.io/GYMLY-Project/>

• MY RESEARCH BUDDY


- My Research Buddy is an innovative application designed to Manage Research and assist researchers in discovering their ideal research topic using AI.
- Technologies - **MERN-STACK, OpenAI, Bootstrap, JWT Token, Bcrypt**
- **GitHub** - <https://github.com/MasterLWA/My-Research-Buddy>


• STAFFY - ONLINE STAFF MANAGEMENT SYSTEM

- The Online Staff Management System is a robust web application developed using **Object-Oriented Programming Concepts**.
- Technologies - **Java, JSP, MySQL, Bootstrap, Tomcat Server**.
- Architect - **MVC Architecture**
- Methodology - **SCRUM**

CONTACT ME

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 linkedin.com/in/masterlwa

 twitter.com/MasterLWA

Other Platforms

 github.com/MasterLWA

 hackerrank.com/MasterLWA

 youtube.com/@Lakindu

 medium.com/@masterlwa

PROFESSIONAL SKILLS

Languages

- Java
- C++
- PHP
- Swift
- Python
- Java Script

Technologies & Frameworks

- MERN-Stack
- Flutter
- Github
- MongoDB
- OpenAI
- SQL
- React-Native
- Arduino
- Android Studio
- Unity Engine
- Postman
- Bootstrap

Other Skills

- Object Oriented Concepts and Programming
- Business Development and Marketing
- Entrepreneurship
- Creative Problem Solving
- Agile Methodologies
- Fast Learning
- Creative Thinking
- Team Working
- Prompt Engineering

CERTIFICATES

Google

- Fundamentals of digital marketing
- Introduction to Generative AI

Solo Learn

- C++
- Java
- C++
- PHP
- SQL
- Python inter.
- Swift
- Kotlin
- React+Redux
- JavaScript
- R

Data Camp

- Introduction to SQL
- Machine Learning for Everyone
- Introduction to Python

Hackerrank

- Java
- React
- Python
- SQL
- Nodejs

FreeCodeCamp.org

- Responsive Web Design

Amazon Web Service (AWS)

- Introduction to Serverless Development
- Getting Started with AWS IoT

OTHER

- Develop AR apps with Xcode

INTERESTS & HOBBIES

- Robotics
- Artificial Intelligence
- Startup
- Astronomy
- Game Development

REFEREES

Mr.Vihanga Wijayasekara

Research Assistant

Robert Gordon University,

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Mr.Thisaru Mahadurage

CEO at Purple Software

- thisaru.com
- thisaru@gmx.com

• AIR POLLUTION DETECTOR

- Developed air pollution detecting system for IoT competition at Navaloka College of Higher Studies.
- Technologies - **Arduino, Android Studio**
- Video - <https://youtu.be/NCJk0FzxgmM>

• MEDI-MATE

- Medi-Mate is a revolutionary app that **utilizes AI to help individuals achieve a harmonious balance between their mental and physical health.**
- Technologies - **Flutter, Firebase, OpenAI**

• GORENT - ONLINE VEHICLE RENTAL SYSTEM

- GoRent is an Online Vehicle Rental System which was developed for 1st-year 2nd Semester Group work at the SLIIT. It allows users to get vehicles for rent. Also, vehicle owners can add their vehicles.
- Developed using **PHP, JavaScript, SQL, Bootstrap and MAMP server**

• QAPITAL - FINANCE MANAGEMENT ANDROID APP

- Qapital is a Financial Management App. it helps people to manage the expenses of their daily life.
- Technologies - **Android Studio, Kotlin and Firebase**
- **GitHub** - <https://github.com/MasterLWA/Qapital.git>

• WORKOUT PLANNING APP

- Basic **MERN-Application to Manage Workout Schedule.**
- I developed this app to **understand the back-end operations of the MERN application** and **do research about the best file structure** for a MERN-Stack.
- **Github Link** - <https://github.com/MasterLWA/Workout-App-MERN.git>

AWARDS

• 1ST RUNNER-UP TEAM OF UNIMATE HACKATHON 2021

- Hackathon Organized by the Research team of Robert Gordon University at the end of 2021.
- Redeveloped the Unimate app. It was built with the **React-Native** and **Firebase**.
- Specially, we added new privacy features and Improved Frontend.
- <https://unimate.app/hackathon>

• TOP 10 TEAMS AND MOST POPULAR TEAM 2022

- Ideathon organized by the Microsoft club of the SLIIT in August and September 2022.
- First round we brainstormed a solution for inflation in Sri Lanka
- Final round we brainstormed a platform which allows Undergraduates and young adults to gain industrial experiences virtually.

• MICROSOFT APAC AI 2023 - TOP 10 TEAMS

- This Hackathon is a groundbreaking event **focused on harnessing the power of AI to improve accessibility for individuals with disabilities.**
- Final 10's.

• FINAL TEAMS OF THE INCOHST 2019

- IoT Competition organized by the NCHS Sri Lanka.
- Developed a real-time air pollution detector using **Arduino**.
- **video** - <https://youtu.be/NCJk0FzxgmM>

• PARTICIPATE TO IDEALIZE 2022

- App development Hackathon organized by AIESEC, University of Moratuwa.
- Develop an advanced time-scheduling app using **Flutter**.