

# Lakindu Widuranga Alwis

Self-taught Full-Stack Developer  
Specialized in MERN and Python

## ABOUT

I'm a passionate Technopreneur, a 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.

## EXPERIENCE

### • SOFTWARE ENGINEER TRAIN - AXIATA DIGITAL LABS 2023 July - 2024 June

As the Full Stack Developer within Axiata Digital Labs' Global Process Excellence team, I am tasked with the development and maintenance of three tools crucial for internal audits. My internship experience has been highly rewarding, considering the unique position of being a solo developer in the team. This role has provided me with the opportunity to collaborate with various departments and engage with senior professionals, contributing to a valuable and insightful learning experience. Also, worked on a **WordPress** website called Aurora.

- website - <https://www.axiatadigitallabs.com>
- Tech stacks - **Angular, NodeJS, Spring boot and MySQL**
- Language - **TypeScript and Java**

## EDUCATION

### • SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

B.Sc.(Hons) in Information Technology

- 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

### • GYMPLY - GYM MANAGEMENT SYSTEM

- GYMPLY is a SaaS 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**
- Commercial Website - <https://masterlwa.github.io/GYMPLY-Project/>

## CONTACT ME

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- Other Platforms**
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-  [hackerrank.com/MasterLWA](https://hackerrank.com/MasterLWA)
-  [youtube.com/@Lakindu](https://youtube.com/@Lakindu)
-  [medium.com/@masterlwa](https://medium.com/@masterlwa)
-  [stackoverflow.com/users/10193493](https://stackoverflow.com/users/10193493)

## PROFESSIONAL SKILLS

### Languages

- Java
- C++
- PHP
- Type Script
- Python
- Java Script

### Technologies & Frameworks

- MERN-Stack
- Flutter
- Github
- MongoDB
- OpenAI
- SQL
- Angular
- Springboot
- Tensorflow
- Tail-wind
- TypeScript
- Bootstrap
- Postman
- React-Native
- Arduino
- Azure
- Unity Engine
- CI/CD

### Technical Skills

- Web App deploying
- Design patterns and Algorithms
- Object Oriented Programming
- Prompt Engineering
- Cloud Technologies

# 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

## Project Management Institute

- Strategic Planning Foundations
- Strategic Thinking Tips to Solve Problems and Innovate

## Microsoft

- Microsoft Learn AI Skills Challenge

## OTHER

- Develop AR apps with Xcode
- Artificial Intelligence Foundations: Machine Learning
- Software Architecture: From Developer to Architect

# REFEREES

## Mr.Vihanga Wijayasekara

Research Assistant

**Robert Gordon University,**

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Aberdeen, AB10 7QB, Scotland, UK

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## Mr.Thisaru Mahadurage

CEO at Purple Software

- thisaru.com
- thisaru@gmx.com

## • ADL INTERNAL AUDITING TOOLS

- As a Full-stack Developer in the Process team at Axiata Digital Labs, my responsibilities include developing and maintaining three tools used for internal audits. These tools share a common comment database, and I am the sole developer responsible for their creation and upkeep.
- Additionally, I am actively involved in product deployments, monitoring, and addressing any issues that arise. This role has provided me with a valuable opportunity to expand my knowledge across a wide range of technologies. Furthermore, I have gained a deep understanding of Software Development Life Cycle (SDLC) and SCRUM methodologies through hands-on experience.
- Technologies - **Angular, NodeJS, MySQL, SpringBoot, AWS**

## • FITNESSLEAF AI

- AI-based web application for generating vegetarian recipes tailored to users' nutritional requirements using generative AI technology for my Australian client.
- **Link** : app.fitnessleafai.com
- Developed using **MERN stack, Open AI API and Stripe Payment Gateway.**

## • WAREHOUSE STOCKS MANAGEMENT & PROFIT ANALYSIS SYSTEM

- I did this project for Senior Tyre & Battery Trading Company (PVT) Ltd, my client based in Sri Lanka
- The primary objective was to **automate their warehouse processes, encompassing the storage of items and projects, seamless movement to their shop, efficient supplier management, a comprehensive dashboard for real-time inventory tracking, generation of customer bills, and the provision of profit analyst reports.**
- Tech Stack: **MERN stack.**

## • SENTIMENT ANALYSIS - MODEL RUN AND MANAGE

- This project involved developing an application for my client at a university in Auckland, New Zealand. The requirement was to complete the development part of their research. I was tasked with creating an app to manage AI models that they had developed, allowing users to input data through the frontend, and predict outcomes using the models. Also, create a dashboard for visualization.
- Architect - **MVC Architecture/ Microservice Architecture**
- Tech Stack - **MERN Stack (TypeScript), Python, Flask, Azure for CI/CD**

## • 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**

## • 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**

## • 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.git>**

## OTHER SKILLS

- Business Development and Marketing
- Entrepreneurship
- Creative Problem Solving
- Fast Learning
- Creative Thinking
- Team Working

## INTERESTS & HOBBIES

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

## Social Media



facebook.com/masterlwa



instagram.com/masterlwa

## AWARDS AND PARTICIPATIONS

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### • 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 **Firestore**.
- 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**.
- I led a team in developing a project to enhance the shopping experience for people with disabilities. We leveraged AI and cloud technologies, specifically on Microsoft Azure, to create an innovative solution.

### • TOP 10 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>

### • PARTICIPATED IDEALIZE 2022

- App development Hackathon organised by the University of Moratuwa.
- Our team developed an App to automate the online scheduling of small businesses.
- tech stack - Flutter

## ADDITIONAL PROJECTS

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### • 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**

### • MOVIES APP

- App to get movie reviews and details
- Tech-Stack: **Angular, Bootstrap**
- **GitHub Link** - <https://github.com/MasterLWA/Movies-App-frontend.git>

### • TO-DO APP

- Simple to-do app that helps you to add and remove daily tasks.
- Tech-Stack: **React-Native**
- **GitHub Link** - <https://github.com/MasterLWA/ToDo-App.git>

### • GAME PLATFORM DASHBOARD API

- Rest full API to keep user details and scores user gains.
- Tech-Stack: **Java, SpringBoot, SQL**
- **GitHub Link** - <https://github.com/MasterLWA/Game-Score-API-v2.git>

### • 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 **Firestore**
- **GitHub** - <https://github.com/MasterLWA/Qapital.git>