


# YAKSHIKA SIVAPERUMAL

## Software Engineer Intern


+94766606893 @ sivayakshika17@gmail.com [linkedin.com/in/yakshika-sivaperumal](https://www.linkedin.com/in/yakshika-sivaperumal)  
Dehiwala, Sri Lanka





## EDUCATION

**Bachelor of Science Honors in Electronics and Computer Science**  
**University of Kelaniya**  
08/2022 - 08/2026 Kelaniya, Sri Lanka  
Specialization in Computer Science

GPA  
**3.80 / 4.0**

**Professional Certificate in Machine Learning**  
**Informatics Institute of Technology**  
01/2025 - 02/2025 Colombo 03, Sri Lanka

**G.C.E. Advanced Level**  
**N / Kotagala T.M.V**  
08/2018 - 08/2020 Kotagala, Sri Lanka  
2B's & 1C (Physical Sciences Stream)

**G.C.E. Ordinary Level**  
**N / Kotagala T.M.V**  
04/2009 - 12/2017 Kotagala, Sri Lanka  
9A's

## PROJECTS

### Airport management system

Java, IntelliJ IDEA

- Utilized Object-Oriented Programming (OOP) concepts in Java to design and implement an efficient airport management system

### Mobile shop management system

C#, Visual Studio, MySQL

- Developed a comprehensive mobile shop management system with secure login, inventory management, and customer record handling, enabling efficient phone stock tracking and operations.

### Travel Booking System (Travel Corp)

HTML, CSS, JS, PHP, MySQL, Visual Studio Code

- Developed a web-based travel booking system that allows users to search, book, and manage travel packages.

### Mobile Application for coffee shop (Cafe Bloom)

Kotlin, Android Studio, SQLite

- Developed a fully functional mobile app for an online coffee shop, allowing customers to browse, customize, and order coffee seamlessly.

### Audio recognition

TensorFlow, Keras, Matplotlib, NumPy, Python, Google colab

- Developed a speech recognition system using deep learning and TensorFlow, implementing a model to classify audio data from a mini-speech commands dataset.

## SUMMARY

A passionate Level 4 Computer Science undergraduate with hands-on experience in full-stack development, software engineering principles, and machine learning. Proficient in programming languages such as Java, Python, and JavaScript, with a strong foundation in databases and web technologies. Adept at problem-solving, team collaboration, and translating client requirements into robust technical solutions. Demonstrating strong leadership in project coordination and a continuous drive to explore emerging tools and technologies. Dedicated to delivering efficient, scalable, and user-centered applications.

## SKILLS

### Languages

Java Python Kotlin PHP

SQL

### Software Engineering

Full-Stack Development

Data Structures & Algorithms OOP

### Web Technologies & Frameworks

Spring Boot React.js HTML

CSS JavaScript

### Developer Tools

Android Studio Visual Studio Code

IntelliJ IDEA GitHub

Google Colab MySQL PowerBI

MongoDB

### Machine Learning Libraries

TensorFlow NumPy Pandas

Keras Matplotlib

## PROJECTS

### Reverse car parking system

#### Based on Operational Amplifier

- Designed and developed a reverse car parking system using an operational amplifier to detect obstacles behind a vehicle

### Electronic letter box

#### Based on Digital Electronics

- Designed and developed an automated electronic letterbox system that uses combination of logic gates and sensors to detect when letter is received

### Smart panel light transformer

#### Based on IOT

- Developed an IOT based smart transformer to upgrade panel lights, enabling remote control and energy efficiency.

## VOLUNTEERING



### Chair person

#### IEEE Industrial Electronics Society Student Branch Chapter

📅 10/2024 - Present 📍 University of Kelaniya

Currently leading the chapter's strategic initiatives. Organized the IEEE IES Distinguished Lecturer Programs in 2024 and 2025. Co-hosted UOK Robot Battles 2k24 with ECSC and launched a Knowledge Sharing Session on postgraduate research to support student development.



### Assistant Secretary

#### Electronics and Computer Science Club

📅 08/2023 - 08/2024 📍 University of Kelaniya

Assisted in administrative and event coordination tasks, contributing to the smooth functioning of the club. Helped organize a series of webinars and seminars with TechSymphony to promote tech awareness. Coordinated a friendly cricket match and led fundraising campaigns through merchandise sales and donation drives.



### Head of Public Relations

#### VidE Club

📅 12/2023 - 01/2025 📍 University of Kelaniya

Managed public relations and communications for the club. Organized the "StepUp" photography series, "ERA AI" photo creation competition, and "Lenzesion" university-wide contest. Contributed to SLUG 2023 by capturing and showcasing high-quality event photographs to boost university visibility.

## REFERENCES

### Dr.B.M.T. Kumarika

#### Senior Lecturer

Department of Statistics and Computer Science  
University of Kelaniya

Tel: +94112903379

Email: [thosini@kln.ac.lk](mailto:thosini@kln.ac.lk)

### Dulan Herath

#### Software Engineer

Sysco LABS

Tel: +94717615558

Email: [dulan.herath@sysco.com](mailto:dulan.herath@sysco.com)

## SKILLS

### Additional Tools

Figma

Trello

### Application Areas

Web Development

Mobile Development

UI/UX Design

Machine Learning

## CERTIFICATES

### Python for Beginners

University of Moratuwa  
December 2022

## LANGUAGES

### English

Proficient



### Tamil

Native



### Sinhala

Proficient



## SOFT SKILLS

Communication

Adaptability

Problem-Solving

Creativity

Teamwork

Time Management

Effective Communication

Critical Thinking

## FIND ME ONLINE



Linkedin

[yakshika-sivaperumal](#)



Github

[YakshikaSivaperumal](#)