


YAKSHIKA SIVAPERUMAL

Software Engineer Intern

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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
3.73 / 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
<https://github.com/YakshikaSivaperumal/AirportManagementSystem>

- 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
<https://github.com/YakshikaSivaperumal/Mobilesystem>

- 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
<https://github.com/YakshikaSivaperumal/Travel-Booking-System-Travel-Corp->

- Developed a responsive web application using HTML, CSS, and PHP to manage booking functionality and present package details. Implemented multiple interactive pages (Home, About, Packages, Booking) with structured styling and server-side scripting.

Mobile Application for coffee shop (Cafe Bloom)
Kotlin, Android Studio, SQLite
<https://github.com/YakshikaSivaperumal/Cafe-bloom>

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

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

Additional Tools

Figma Trello

Application Areas

Web Development Mobile Development

UI/UX Design Machine Learning

PROJECTS

Mobile Shop Management System

React (TypeScript), Node.js, Spring Boot, MongoDB

🔗 <https://github.com/YakshikaSivaperumal/Cellularworld>

- Developed a full-stack e-commerce web application for mobile devices with features such as user authentication, product catalog, shopping cart, wishlist, order processing, and employee management, ensuring a responsive and scalable system.

Audio recognition

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

🔗 <https://github.com/YakshikaSivaperumal/-AudioRecognition>

- Developed a speech recognition system using deep learning and TensorFlow, implementing a model to classify audio data from the Mini Speech Commands dataset.

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 to ensure smooth club operations. Organized webinars and seminars in collaboration 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 that enhanced the university's visibility.

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

www.linkedin.com/in/yakshika-sivaperumal



GitHub

<https://github.com/YakshikaSivaperumal>

REFERENCES

Dr.B.M.T. Kumarika

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