



Sakila Athapaththu

BSc (Hons) specializes in Information Technology Undergraduate

- 📍 Rajagedara,Ahugoda,Pothuhera
- ☎ +94 71 478 2241
- ✉ sakila.atapattu@gmail.com
- 🌐 <https://myportfolio-qkho.vercel.app/>

Skills

Programming Languages

Java, Python, Php, JavaScript, C++, HTML, CSS

Frameworks & Libraries

React.js, Node.js, Laravel, Spring Boot, Flask, Express.js, Tailwind CSS, MUI, Bootstrap

Database Technologies

MySQL, MongoDB, Firebase, SQL

Testing & QA

Manual Testing, Selenium Automation, Bug Reporting, Test Case Design

Tools & Platforms

Git & GitHub, VS Code, Firebase Console, Figma, Arduino IDE, Canva

Networking & DevOps (Basic)

Networking Fundamentals, REST APIs, Hosting & Deployment, Domain Management

Soft Skills

Problem Solving, Team Collaboration, Critical Thinking, Time Management, Communication Skills

Languages

Sinhala

English

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Profile

Final-year BSc (Hons) Information Technology undergraduate at SLIIT with strong hands-on experience in full-stack development using React.js, Node.js, Laravel, Firebase, and Spring Boot. Demonstrated ability to deliver robust real-world applications, including government systems, enterprise dashboards, and automation tools. Proficient in both frontend and backend technologies, with solid experience in manual and automated QA testing using Selenium. Skilled in Java, PHP, RESTful APIs, database management (MySQL, MongoDB, Firebase), and foundational networking. A quick learner, team-oriented developer, and passionate problem-solver focused on building efficient, user-centered digital solutions.

Experience

Fullstack Developer Intern **November 2023 – May 2024**
Information Communication Technology Agency of Sri Lanka - (ICTA)

- Contributed to the development of several key national-level digital solutions including:
 - gov.lk** – modernized the main government web portal using Laravel
 - Digital Maturity Tool** – built features for admin dashboards, deep assessments, and data insights
 - E-Participation Portal** – enhanced citizen engagement platform using the MERN stack
- Worked across the full development lifecycle: backend APIs, frontend UIs, and database optimization
- Collaborated closely with cross-functional teams to meet project milestones and deployment deadlines
- Gained practical experience in delivering large-scale, real-world software used by government entities

Education

BSc (Hons) in Information Technology Sri Lanka Institute of Information Technology (SLIIT) **June 2021 – Present**

Specialization: Information Technology

Currently in 4th Year, 2nd Semester

Higher Diploma in Information Technology **June 2021 - june 2023**
SLIIT

AAT Level 2 – Completed **July 2019**
Association of Accounting Technicians of Sri Lanka

Maliyadeva College **2020**
ADVANCED LEVEL
Stream : Commerce

Certifications

META - Introduction to Front-End Development

Credential ID : VN9D9GSMYRFV

University of Moratuwa - Front End Web Development

Credential ID : 0I2L6ERkiY

IBM-Developing Front-End Apps with React

IBM-Developing Back-End Apps with Node.js and Express

IBM-Python for Data Science, AI & Development

Cisco Networking Academy- Computer Hardware Basics Badge

IBM- Introduction to Web Development with HTML, CSS and JavaScript

Cisco Networking Academy- JavaScript Essentials 1 Badge

IBM- Getting Started with Git and GitHub

References

Ms. Wishalya Tissera From Lecturer Faculty of Computing | Computer Science | SLIIT

emai - wishalya.t@[slit.lk](mailto:wishalya.t@slit.lk)

Contact - +94 76 942 7655

Anoj Samarasekera Former Project Manager- Technology| ICTA Sri Lanka

Email - anoj.samarasekera@gmail.com

Contact - +610450818871

Projects

ePaddy – Smart Paddy Farming System

June 2024 - June 2025

Technologies: ESP8266, NPK sensor, Firebase, Flutter, ML

<https://github.com/KavishkaBingun/Research-Project-ePaddy>

- Developed an automated water management system using ESP8266 + ultrasonic sensors
- Built real-time soil monitoring using NPK sensors
- Integrated Firebase for live data updates and alerts
- Contributed to a crop recommendation model using machine learning
- Visualized all data via a mobile app interface

Country Portal (gov.lk Rebuild)

November 2023 - May 2024

Technologies: Laravel, MySQL

<https://www.gov.lk/>

- Rebuilt and modernized the legacy [gov.lk](https://www.gov.lk/) government site
- Migrated backend from Java to Laravel, fixing key performance issues
- Deployed live version to hosting servers with enhanced UI/UX

Digital Maturity Tool

December 2023 - May 2024

Technologies: Laravel, MySQL

<https://d4s.lightingdigital.gov.lk/>

- Developed question tools for competency and ICT maturity assessments
- Built user/admin dashboards for analytics and management
- Improved logic for assessment scoring and reports

Sri Lanka E-Participation Portal (v2.0)

November 2023 - May 2024

Technologies: MERN Stack (MongoDB, Express, React, Node)

<https://eparticipation.gov.lk/>

- Contributed to a national platform enhancing civic engagement
- Built components for feedback submission, user flows, and data visualizations

EcoPick – Garbage Management System

February 2024 - May 2024

Technologies: MERN Stack

<https://github.com/sakilaathapaththu/EcoPick-Garbage-Management-System>

- Developed live location tracking for garbage vehicles
- Integrated user feedback system with sentiment analysis
- Built user/driver dashboards for efficient waste management

LMS – Learning Management System

June 2025

Technologies: React.js, Node.js, Express, MongoDB, MUI, Multer

https://github.com/sakilaathapaththu/LMS_WebApplication.git

- Developed a full-stack LMS platform with user roles for admins, students, and instructors
- Implemented secure user authentication and role-based access control
- Admin panel features: add/edit courses, approve enrollments, manage quizzes and users
- Users can enroll in courses, watch embedded YouTube videos, take quizzes with timers
- Integrated course attachments, progress tracking, and quiz auto-grading