

# SHANUKA LAKSHAN

UNDERGRADUATE IN INFORMATION TECHNOLOGY

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## EDUCATION

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### Sri Lanka Institute of Information Technology (SLIIT)

- BSc (Hons) in Information Technology specializing in Information Technology (2021 – Present)

### Eheliyagoda Central Collage, Eheliyagoda

- GCE A/L Examination – Physical Science Stream (2019)

## WORK EXPERIENCE

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### Sri Lanka Telecom (SLTMobitel) – Software Engineer (Intern)

APR 2024 - OCT 2024

I worked as a trainee full stack web developer at SLTMobitel during my 6-month internship period and had the opportunity to be involved in several projects.

## PROJECTS

### SLTravel – Travel Management System - YII2 Framework

The project was about 80% complete when I joined. My primary responsibility was to address identified vulnerabilities and proactively find and fix new ones to enhance the website's security and functionality.

### SecureGate – Smart door lock - MERN Strack

This is a website used to manage an RFID-enabled door lock. The website was developed to enable access control and management of the door lock with an attractive and user-friendly user interface.

### MeetHub – Meeting Room Booking System - MERN Stack

This was created to solve the problems that arise when managing meeting rooms at the Sri Lanka Telecom headquarters. Here, users can easily book the meeting room by selecting the meeting room they want, and administrators can manage the meeting room.

## ACADEMIC PROJECT EXPERIENCE

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### Travel management System – MERN Stack

This travel management system was created as a web application as a 2nd-year group project at the university. Here I created the travel packages section, where a traveler can get many things, including transport, accommodation, and tickets, as a package.

### Pharmacy Management System – Kotlin

This pharmacy management mobile application was created to overcome the difficulties in finding medicines during the crisis that Sri Lanka was facing. I developed the customer complaints section.

**Social Media Platform for Fitness Enthusiasts – Spring Boot, ReactJS, MongoDB**

Developed a web base social media platform for fitness enthusiasts. Users can register to the platform and shear their workouts, workout status, meal plans, workout plans with other users. Also, users can comment and like for each other’s posts. As my part of the project, I have implemented the current account status function.

**Cloud Infrastructure Solution for Student Records Web Application – AWS**

Designed and implemented a cloud-based hosting architecture for a student records web application using AWS services to meet high availability, scalability, load balancing, and security requirements. Deployed the solution on Ubuntu machines, ensuring the application could handle thousands of users during peak admissions periods with minimal downtime and optimized performance. Utilized services such as EC2, public subnets, and load balancers to ensure a reliable and secure deployment.

**INDIVIDUAL PROJECT EXPERIENCE**

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**QR Code Scanner – Flutter**

his is a QR code scanner built with flutter. Designed with an attractive user interface, it allows you to scan a QR code and easily navigate to a website..

**Simple CRUD Web Application – Laravel**

This is a simple web application I created with CRUD operations to study the Laravel framework.

**SKILLS**

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**Programming languages**

- JavaScript
- kotlin
- Python
- java
- dart

**Web Development**

- HTML
- CSS
- ReactJS
- NodeJS
- Tailwind CSS

**Database Management**

- SQL
- MongoDB
- MySQL
- Oracle
- Firebase

**Tools and Technologies**

- AWS
- Linux
- Ansible
- Jenkins
- Azure
- Docker
- Terraform

**Design & Prototype**

- Figma

**Soft Skills**

- Teamwork
- Creativity
- Problem Solving
- Data Analysis
- Leadership

**LANGUAGES**

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- Sinhala - Native
- English - Good

**REFERENCES**

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Information Technology,  
SLIIT - Malabe Campus  
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