SHANUKA LAKSHAN

UNDERGRADUATE IN INFORMATION TECHNOLOGY

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EDUCATION

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

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

SecureGate – Smart door lock - (React js, Node js, Express Js, MongoDB)

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 - (React js, Node js, Express Js, MongoDB)

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

Final year Research Project - (React Native, Python, FireBase)

This is a mobile application designed to identify children with **educational disabilities** such as **Dyslexia, dysgraphia, dyscalculia,** and **ADHD** and to minimize the impact of these conditions. I created the section for **dyscalculia** in this application. A trained **SVM** model is used to predict the risk of dyscalculia. Children are asked to engage in several mathematical activities, and the nature of the answers given to them is used to predict the risk of dyscalculia. It also provides activities to enhance the skills of those children and monitors their progress.
GitHub repository

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.
GitHub repository

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.
GitHub repository

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.

INDIVIDUAL PROJECT EXPERIENCE

Simple CRUD Web Application – Laravel

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

Shopping Mall Management System

This web app is built using the **MERN** stack with an attractive UI. It is deployed on **Vercel** with a **CI/CD** pipeline built using **GitHub Actions.**
GitHub repository
Vercel

A simple Node.js application with Docker and jenkins CI/CD pipeline - (Docker, Jenkins, CI/CD)

This is a containerized Node.js application with automated CI/CD pipelines set up using Jenkins.
GitHub repository

SKILLS

Programming languages

- JavaScript
- kotlin
- Python
- java
- dart

Web Development

- HTML
- ReactJS
- Laravel
- CSS
- 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

- Sinhala - Native
- English - Good

REFERENCES

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SLIIT - Malabe Campus
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