



LAHIRU ASIRI

Intern Software Engineer

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ABOUT ME

I am a Software Engineering student at SLIIT, pursuing a BSc in IT with a specialization in Software Engineering. My passion for technology was sparked at Ananda College Colombo, where I completed my Advanced Level exams. I have expertise in Java, Python, and C++, and work with frameworks like React and Angular. I'm skilled in SQL, MySQL, and development tools such as Git and Visual Studio, with a strong understanding of OOP, data structures, and software engineering concepts.

SKILLS

- Java
- JavaScript
- SQL
- Python
- C
- C++
- Kotlin
- Git / GitHub
- Node.js
- REST API
- Spring boot
- NoSQL
- PostgreSQL
- MVC Architecture.
- React
- React Native
- Next.js
- Tailwind CSS
- CSS
- Nativewind
- HTML
- PHP
- MongoDB
- Open AI
- Gemini API
- Oracle
- MySQL

Education

Bachelor of Science (Honours) in Information Technology -
Specializing in Software Engineering (Undergraduate)
Sri Lanka Institute of Information Technology (SLIIT) Malabe, Sri Lanka
(Present)

Advanced Level Examinations (Physical Science Stream with ICT)
GCE Ordinary Level in Sri Lanka
Ananda College Colombo (2011 - 2019)

PROJECTS

Web Application For Book Factory

github.com/lahiruAsiri/Book-Factory-Management-System

Developed a web application using the **MERN Stack (MongoDB, Express.js, React.js, Node.js)** featuring modules for inventory management, material management, order management, and transport management.

Technologies: **React.js, MongoDB, Express.js, Node.js**

MomCare App

<https://github.com/lahiruAsiri/MomCare-App>

Mom Care is a mobile app built with **React Native, Node.js, Express.js**, and **MongoDB**. It helps pregnant women and new mothers track baby growth, access health tips, find doctors, and manage clinic visits. The app simplifies care by providing vital information and reminders in one place.

Technologies: **React Native, Node.js, Express.js, MongoDB**

ProMentor Education Application

<https://github.com/lahiruAsiri/ProMentor-Education-Application>

ProMentor is a coding mentor app built with **React, Node.js, Express**, and **Gemini API**. It allows users to drag and drop code blocks, offering automated code explanations and corrections. The app simplifies learning for beginners with visual programming, detailed guides, and real-time feedback.

Technologies: **React.js, Node.js, Express, and Gemini API**

Smart Waste Management System

<https://github.com/lahiruAsiri/Smart-Waste-Management-System>

Smart Waste Management System is a web application built with **React** and **Spring Boot** for efficient waste collection and management. The app tracks waste levels in bins, optimizes collection routes, and provides real-time updates, promoting sustainability and reducing operational costs.

Technologies: **React.js, Spring Boot**

PERSONAL SKILLS

- **Software Engineering:** Dedicated Software Engineering student at SLIIT with a strong background in computer science.
- **Technical Proficiency:** Solid understanding of Data Structures & Algorithms, Object-Oriented Programming (OOP), and Agile Methodologies.
- **Development Tools:** Proficient in Visual Studio, IntelliJ, Postman, Android Studio, pgAdmin, MySQL Workbench, and MongoDB.
- **UML Diagrams:** Experienced in creating and analyzing UML diagrams.
- **AI & Machine Learning:** Knowledgeable in fine-tuning and prompt engineering large language models.
- **Teamwork & Communication:** Strong aptitude for effective communication and collaboration within diverse teams.
- **Team Leadership:** Demonstrated ability to lead and motivate teams to achieve project goals.

DESIGN SKILLS

Design Tools:

- Proficient in Figma
- Adobe Illustrator
- Photoshop
- After Effects
- Canva

UI Design:

- Strong ability to develop intuitive and engaging user interfaces, ensuring a seamless user experience.

Creative Ideation:

- Proven talent for generating innovative design concepts that effectively meet project objectives and enhance brand identity.

Vehicle Service Station System

github.com/lahiruAsiri/Vehicle-And-Fuel-Management-System

Developed a web application for a vehicle service station using **Java** and the **MVC architecture**. The system allows users to create accounts, manage vehicles, oversee transport services, and update their information through an intuitive web interface.

Technologies: **Java, MVC framework, Apache Tomcat, CSS, HTML, JavaScript**

Mobile Application

github.com/lahiruAsiri/Task-Manager-App

Proficient in developing mobile applications, with expertise in creating a stress-relief app and a CRUD-based task management app. Developed intuitive user interfaces, integrated robust backend services, and ensured seamless performance across different devices.

Technologies: **Kotlin**

Mobile Game

github.com/lahiruAsiri/ShadowStrike-Mobile-Game

Developed an engaging mobile game with a feature to save scores. Implemented intuitive gameplay mechanics, integrated a user-friendly interface, and ensured score persistence for an enhanced user experience.

Technologies: **Kotlin**

COURSES & CERTIFICATIONS

- | | |
|---|---|
| • AI/ML Engineer - Stage 1
SLIIT (2024) | • Java (Basic)
HackerRank (2024) |
| • Programming in Python
University of Moratuwa (2024) | • Web Development
University of Moratuwa (2024) |
| • CSS (Basic)
HackerRank (2024) | • JavaScript (Basic)
HackerRank (2024) |
| • Problem Solving
HackerRank (2024) | • Python (Basic)
HackerRank (2024) |
| • SQL Intermediate
Sololearn (2024) | • Front-end for Beginners
Sololearn (2024) |
| • Angular
Sololearn (2024) | • Java Intermediate
Sololearn (2024) |
| • JavaScript Intermediate
Sololearn (2024) | • Responsive Web Design
freeCodeCamp (2024) |
| • JavaScript Algorithms and Data Structures
freeCodeCamp (2024) | |

REFERENCES

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(Deputy Group Chairman - MRG Investment LLC)