




## LAHIRU SAMMIKA

Undergraduate

BSc. In Computer Science & Technology

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## SOFT SKILLS

- Teamwork
- Critical Thinking
- Work under pressure

## PROGRAMMING LANGUAGES

- JavaScript
- Java
- C
- PHP
- Python

## WEB DEVELOPMENT

- React
- Redux
- Node.js
- GraphQL
- REST API
- Spring Boot
- HTML/CSS
- Bootstrap/Material-UI
- jQuery

## MOBILE DEVELOPMENT

- React Native
- Flutter (Novice)

## CAREER OBJECTIVE

I'm seeking a **Software Engineering Trainee position** to utilize my skills to the best of my ability and to contribute positively to my personal growth as well as the growth of the organization.

## EDUCATIONAL QUALIFICATIONS

### Uva Wellassa University

BSc. In Computer Science and Technology (2018-present)

**Current GPA – 3.60**

### Nalanda College – Colombo 10

GCE Advanced Level - Passed with 1B and 2C s

GCE Ordinary Level - Passed with 9A s

## RESEARCH AND PROJECTS

### 1. Virtual Salesman - Voice assistant for E-commerce platform (Ongoing Final year research)

Design and implement a deep neural network model for natural language understanding and speech recognition. Identify the customer intent and handle e-commerce activities with the help of a recommendation system and Q&A deep neural network

-NLU ,Intent classification, Masked language modelling ,Next sentence prediction, Collaborative filtering

### 2. Agrolanka online advertisement platform – 3<sup>rd</sup> year 1<sup>st</sup> semester

[Click here to view the website](#)

An advertisement platform for publishing advertisements related to agro products. The main functionalities are post advertisements, filter advertisements, payment gateway, comment advertisements, chat with sellers, and localization.

-Web application – React, Node.js, MongoDB, Express, Firebase Firestore, Bootstrap Material-UI, HTML/CSS

-Mobile application – React Native

### 3. Point of sale (POS) system for a textile shop – 2<sup>nd</sup> year 2<sup>nd</sup> semester

A standalone point of sale (POS) system for a textile shop with bill printing, barcode scanning, barcode printing, sales analysis, and backup functionalities

-JavaFX, Scene Builder, MySQL

### 4. Plant leaf disease detection

An application for detecting different types of plant diseases using image processing

-MATLAB, SVM

### 5. EngHack mobile application

Mobile application to encourage university students to learn the English language.

-React Native, Firebase

## DATABASE SERVICES

- MySQL
- MongoDB
- Firebase - Cloud Firestore

## TOOLS

- Git
- Docker
- Figma
- VS Code
- Postman
- IntelliJ
- Google Colab

## FAMILIAR CONCEPTS

- OOP concepts
- Relational database concepts
- NOSQL database concepts

## FAMILIAR PLATFORMS

- Windows
- Linux

## INTERESTS

- Web Development
- Mobile App Development
- Cloud Computing

## REFERENCES

Dr. E.M.U.W.J.B Ekanayake  
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Department of Computer Science  
and Informatics  
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### 6. Movie recommendation model

A content-based movie recommendation model using machine learning techniques  
-Python, Count vectorizer, Cosine similarity

### 7. Blog posting application

A blog posting web application with post, like, comment, and share functionalities  
-React, Semantic UI, GraphQL, Apollo Server, MongoDB

### 8. NPM packages

- number-formatter-npm : Open source NPM package for format numbers
- data-struct-lib : Open source NPM package to handle data manipulation

### 9. E-commerce application

- Spring Boot, REST API, MySQL, React

### 10. COVID 19 vaccine tracker

A web application for tracking the vaccination program of Sri Lanka.  
-Laravel, MySQL, Bootstrap, HTML/CSS

### 11. GO chat application

Real time private chat application for university students  
-React, Firebase, HTML/CSS

### 12. Food Ordering mobile app (Ongoing project)

Food ordering mobile app for a Sri Lankan food company with delivery tracking  
- Flutter , Firebase

## ACHIEVEMENTS

- **Achieved the 2nd place in EngHack (2020)** - 48 hours project-based Hackathon conducted by the Department of Computer Science and Informatics of Uva Wellassa University
- **A member of judge panel in SHECODERess V4.0 (2021)** – Inter university Hackathon organized by Affinity group of IEEE Uva Wellassa University Student Branch
- **Participated in IEEEExtreme 13.0 (2019)** - Country rank -63 | Global rank -970
- **Achieved 5th place in Deftcoders V6.0 (2019)** - Coding Hackathon conducted by computer society of Uva Wellassa University

## EXTRA CURRICULAR ACTIVITIES

- Former editor of IEEE Uva Wellassa University branch
- Former vice president of Astronomical Society of Uva Wellassa University
- Played cricket for Nalanda College (U-15 and U-17)