

# SASANKA DAHANAYAKE

UNDERGRADUATE - BENG(HONS)  
SOFTWARE ENGINEERING



## PERSONAL PROFILE

I am an undergraduate student majoring in Software Engineering at the Informatics Institute of Technology, Sri Lanka which is affiliated with the University of Westminster, UK. I am a heavily galvanized and tenacious student with a commitment to high achievement.

**Gender:** Male

**Date of Birth:** 18th of February, 1999

**Nationality:** Sri Lankan

**Marital Status:** Single

**Location:** Wellawatte, Colombo 06

## HOW TO CONTACT ME?

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**Phone:** (+94) 77 665 7313

**Mailing Address:** 39A, Pahala Walawwa  
Kiribathkumbura

### Social:

#### Website:

<https://sasankadahanayake.github.io/>

#### LinkedIn:

<https://www.linkedin.com/in/sasanka-dahanayake-a295171a0/>

#### Github:

<https://github.com/SasankaDahanayake>

#### Facebook:

<https://www.facebook.com/sasanka.dahanayake>

## CAREER OBJECTIVES

As a 4th year student, to enhance and adapt in skills and performance and provide myself with practical application to meet business objectives.

To take careful consideration of the responsibilities in order to add value to the organization and look for growth potential within an organization.

With the strong suit to work with a team, to play a vital role in the organization's development team, and produce high-quality software solutions.

## PROFESSIONAL EXPERIENCE

### UniverSL Software

- **Associate Software Engineer**  
( October 2020 - September 2021 )

- **Mobile Application Development** - Developed 20+ Android Applications for the company using Android Studio.
- **Java Object-Oriented Programming** - Primary language used for software development.
- **Relational Database Management System** - Development of CRUD operations for application data storage with MySQL, SQLite, and Firebase.
- **Backend Development for Mobile Applications** - Development of REST APIs with CodeIgniter.
- **Mobile User Interface Design** - Following prominent mobile user experience principles for application design with Android Studio.

- **Search Engine Optimizer / Content Creator**  
( June 2021 - December 2021 )

- **Web Search Engine Optimization** - Search Engine Optimized a total of 3 major websites associated with the company. Website Content Optimization. Keyword optimization, and Google Analytics monitoring.
- **App Store Optimization** - Optimized applications associated with the company on the Google Play Store and Apple App Store. Content optimization and Keyword optimization.
- **YouTube Search Engine Optimization** - Optimization of YouTube videos associated with the company, focused on keyword optimization, and optimized title and description content creation.
- **Social Media Content Creation And SEO** - Strategic content creation for social media platforms and optimization. SEO is done for Facebook, Reddit, Pinterest, LinkedIn, and Twitter pages.

## LANGUAGES

- English  
( Full Professional Proficiency )
- Sinhala  
( Limited Working Proficiency )

## TECHNICAL SKILLS

- Java
- JavaScript
- Python
- jQuery (Mobile)
- HTML/CSS
- AtelierB
- FSP Programming
- Bootstrap
- Angular
- Spring Boot
- CodeIgniter
- MySQL
- MongoDB
- Firebase
- Android Studio
- Google for Developers
- Digital Marketing
- App Store Optimization
- Search Engine Optimization
- Content Creation

## PERSONAL SKILLS

- Communication
- Presentation
- Teamwork
- Leadership
- Language
- Fast Typing
- Work Ethic
- Willingness to Learn
- Problem Solving
- Dependability
- Adaptability
- Motivation

## INTERESTS

- Data Science
- Cyber Security
- DevOps
- Mobile Application Development
- Database Management
- Content Writing

## ACADEMIC EDUCATION

### HIGHER EDUCATION

#### INFORMATICS INSTITUTE OF TECHNOLOGY ( Sri Lanka )

Bachelor of Engineering | Jan 2017 - September 2022

##### BEng (Hons) Software Engineering

##### **Successful completion of all the 1st and 2nd-year modules**

- Object-Oriented Programming
- Database Systems
- Mobile Application Development
- Software Development Group Project
- Client-Server Architecture
- Algorithms: Theory Design and Implementation
- Programming Principles I
- Programming Principles II
- Mathematics for Computing
- Computer Science Practice
- Web Design and Development
- Concurrent Programming
- Mobile User Experience
- Reasoning about Programs

### SECONDARY EDUCATION

#### Gateway College Kandy ( Sri Lanka )

International General Certificate of Secondary Education |  
October 2009 - July 2016  
Edexcel IGCSE's ( 5 C's, 1 D, 3 E's )

### PRIMARY EDUCATION

#### Our Own English High School ( United Arab Emirates )

Cambridge International | September 2002 - June 2009

## PROJECT EXPERIENCE

#### • **American Sign Language to Text-Based Translation**

Software Development Group Project - Group Leader

Assisting disabled people, especially the hearing-impaired community to bridge the communication with the hearing people in the society. Technologies used are JavaScript, Tensorflow with Keras Library, Angular with ML5 library.

#### • **Translation Mobile Application**

Mobile Application Development Project

A travel companion application with the core functionality of the project involving the ability to translate user input phrases to a relevant language. Technologies used are Java, Android Studio, and language API.

#### • **Vehicle Rental Management**

Object Oriented Programming Project

A system management application to organize available and scheduled vehicles accordingly. Technologies used Java, SpringBoot, MongoDB, and Angular

## HOBBIES

- Short Story Writer
- Traveling
- Novel Reading
- Health and Fitness
- Technology and Computers

## REFERENCES

### ROSHAN GUNATHILAKE

CHIEF EXECUTIVE OFFICER

UniverSL Software

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### SUDARSHANA WELIHINDA

DIRECTOR OPERATIONS

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### • Vaccine Scheduler Application

UniverSL Software Company Project

A vaccine scheduler for people to manage their family's vaccination records. A notification feature to remind of scheduled vaccines. Technologies used are Java, Android Studio, Firebase, and backend API built with MySQL.

### • Location Based Task Manager Application

UniverSL Software Company Project

A task manager application that allows the user to conveniently manage your tasks. Users can assign custom location-based notifications. This will notify within 100 meters of passing the location, reminding the user of a task available to be done at that particular location. Technologies used were Java, Android Studio, Firebase, SQLite, and Google Maps location API.

### • Psychology Test Application

UniverSL Software Company Project

This is a self-test application that introduces common psychological disorders with tests that the users could take to check themselves to understand if they require help. Technologies used are Java, Android Studio, and the backend API development done with CodeIgniter and MySQL.

### • Food Hut - Home Cooked Food Delivery Service App

Mobile User Experience Group Project

This is a food delivery application programmed for the Mobile User Experience module. This application allows users to register as either customer or seller, where the sellers can publish their product for sale while consumers can purchase them. Technologies used are jQuery Mobile, Javascript, Bootstrap, CSS.

### • BMI Calculation and Exercise Recommendation System

Final Year Project

This is a data science project, done with Machine Learning and image processing to identify one's body type and to calculate their BMI calculation. Then recommend a series of exercises best fit their body. Technologies used are Python, Tensorflow, and Keras library.

## ACHIEVEMENTS

- Pearson Edexcel International General Certificate of Secondary Education ( 06 / 2014 - 06 / 2015 )
- Foundation Certificate in Higher Education ( 01 / 2017 - 09 / 2017 )
- Google Hash Code ( 2020 ) - Participation

## VOLUNTARY ACTIVITIES

- Gateway College Kandy Community Service
- Gateway College Kandy Geo Bee Club
- Gateway College Kandy Public Affair Activities

## EXTRACURRICULAR ACTIVITIES

- Amateur Author
- Gateway College Kandy Basketball
- Gateway College Kandy Interhouse Cricket
- Gateway College Kandy Chess
- Gateway College Kandy Interhouse Drama
- Informatics Institute of Technology Rugby