



# SIDUJA PERERA

## Software Engineer Graduate

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**GitHub :** <https://github.com/SidujaPerera>

## SUMMARY

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Dynamic and ambitious Software Engineering graduate skilled in Frontend Full-Stack development, seeking to secure an internship in the ever-evolving industry. Confident and articulate team player with strong leadership, mentorship, and project management skills gained from sports, clubs, and projects.

## EDUCATION

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- **BSC ( HONS ) Software Engineering | Staffordshire University ( APIIT ) | 2019 - 2023**
- **Diploma in IT | SFS Academy | 2018 - 2019**
- **MERN Full-stack Developer Certification (Ongoing) | Udemy**
- **Docker and Kubernetes Certification | Udemy | 2024**
- **Certified Quality Assurance Engineer | Udemy | 2024**
- **Foundation Programme for Business & Computing | APIIT | 2019**
- **Educated at S. Thomas College Mount Lavinia | 2018 - 2019**
- **Educated at S. Thomas Preparatory School | 2009 - 2018**
- **Educated at Sri Lankan School Muscat - Oman | 2007 - 2009**

## PROJECT EXPERIENCE

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### Final Year Project

#### **Pneumonia Detection Application - Machine Learning, Python Programming, Tensorflow, Keras**

Developed a software application for automatic pneumonia detection using chest X-rays, employing machine learning techniques with TensorFlow, Keras, and Python. The system evaluates medical images to identify pneumonia patterns, aiming to enhance diagnostic accuracy and efficiency.

### 2nd year Software Development Group Project

#### **FutureSeekers.lk Web Application - HTML, CSS, JavaScript, CodeIgniter 4 ( PHP framework )**

Developed a comprehensive job-search website aimed at enhancing the recruiting experience for both job seekers and employers. The platform offers a streamlined and relevant hiring process for three main user categories: job seekers, employers, and administrators. It enables seamless user registration and login, allowing employers to post job openings and manage applications directly on the site. Job seekers can browse, view, and apply for job listings that match their criteria, facilitating a more efficient and targeted job search experience.

### Inventory System - Java

Designed and implemented a multi-user, multi-tier inventory management system. This client-server application enhances communication and collaboration in distributed environments by facilitating real-time resource and data sharing among users. It efficiently manages concurrency to prevent conflicts and ensure data consistency. Additionally, the system includes report generation capabilities. Key skills gained include synchronization, design patterns, and multi-threading.

## iCars Web Application - HTML, TailWind CSS, JavaScript, AWS Cloud Services

Designed a proof-of-concept website for the fictional "iCars" automobile company, enabling users to browse a diverse catalog of vehicles. The website used Amazon Web Services (AWS) such as S3, SNS, RDS, and Lambda to fetch and display data. The client-side integrates with these AWS services to present detailed vehicle information and apply filters, providing a seamless and interactive browsing experience.

## LookOutEye Mobile Application - Flutter, Dart, Google Firebase, Figma

Created an emergency app that enables users to quickly connect with the nearest hospital, police station, or fire department using geo-location technology. The app features a camera function for direct communication with doctors. Designed the mobile interfaces in Figma, and collaborated with a peer to implement the project using Android Studio and Google Firebase for data management.

## Hospital Database Management System - C++

Developed a Hospital Database Management System to manage records for rooms, patients, and doctors, including medical procedures. The system involves designing data structures and algorithms to ensure efficient and reliable data handling.

## CERTIFICATIONS

- MERN Full-stack Developer Certification (Ongoing) | Udemy
- Docker and Kubernetes Certification | Udemy | 2024
- Certified Quality Assurance Engineer | Udemy | 2024

### TECHNICAL SKILLS

- HTML
- CSS
- JavaScript
- Java
- GitHub, Git & GitLab
- Docker
- Kubernetes
- AWS Services
- Postman for Back-End testing
- Canva

### SOFT SKILLS

- Fast Learner
- Team Work
- Collaboration
- Time Management
- Leadership
- Commitment to delivering high-quality work.

## EXTRA - CURRICULAR ACTIVITIES

### S. Thomas' Preparatory School

- President - Radio Club ( 2018 )
- Secretary - Student Christian Movement ( 2018 )
- Captain - Inter-house Football Team ( 2018 )
- Public School Athletic Meet (2016 )
- FootBall Championship 2017 - Champions ( 2016 - 2018 )
- Member - Hewisi Band ( 2015 - 2018 )
- Member - Athletic Team ( 2014 - 2017 )
- Member - School Choir ( 2016 - 2017 )
- Member - School Western & Eastern Orchestra ( 2016 - 2018 )
- Member - Photography Club ( 2016 - 2018 )
- Member - Chess Club ( 2014 - 2016 )
- Member - Eastern Dancing Team ( 2016 - 2018 )

### Rotaract Club of Moratuwa

- Editor ( Executive Committee) - 2024
- Director of Public Relations - 2023 / 24

## REFERENCES

### Dr Manjusri Wickramasinghe

Senior Lecturer  
University of Colombo School of Computing  
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