

# SANJANA SULAKSHANA

## SOFTWARE ENGINEER

Recent graduate of the University of Plymouth with a first class honours degree in BSc (Hons) Software Engineering. Currently working as an Associate Software Engineer with over 1.5 years of industry experience. Skilled in utilizing .Net Core and Angular as a full-stack developer with a strong software development and programming background. Proven ability to work collaboratively in a team environment and deliver high-quality solutions.

### EXPERIENCE

2023 JAN - PRESENT	<b>Associate Software Engineer</b> Moresand Technologies
2022 JUL - 2022 DEC	<b>Associate Software Engineer</b> Random Software Ltd
2021 JUL - 2022 JUN	<b>Software Engineering Intern</b> Random Software Ltd

### EDUCATION

2019 - 2022	<b>BSc (Hons) Software Engineering [First Class]</b> University of Plymouth, UK
2018 - 2019	<b>English Language Certificate Course</b> National Institute of Business Management, Kandy
2016 - 2018	<b>AL - Physical Science Stream</b> Dharmaraja College, Kandy
2015 - 2016	<b>Graphics Designing Certificate Course</b> Wijeya Graphics, Kandy

### AWARDS

2016	<b>DIALOG APP CHALLENGE - 2016</b> 2 <sup>nd</sup> runner-up in the school category
2015 / 2016 / 2017	<b>SPECIAL BLUE AWARD FOR ACHIEVEMENTS IN GRAPHICS DESIGNING</b> Annual Colors Nite, Dharmaraja College Kandy
2017	<b>WON PRIZE FOR INFORMATION AND COMMUNICATION TECH.</b> Annual Prize Giving, Dharmaraja College Kandy

### EXTRACURRICULAR ACTIVITIES

2017 -2018	<b>President - SICTDRC</b> Society of ICT Dharmaraja College Kandy
2017 - 2018	<b>Editor - ASDRC</b> Astronomical Society of Dharmaraja College Kandy
2017 - 2018	<b>IT Coordinator - DCSS</b> Science Society of Dharmaraja College Kandy
2017 - 2018	<b>IT Coordinator - CCGSDRC</b> Counseling and Career Guidance Society Of Dharmaraja College Kandy



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### PERSONAL

Birthday	: 23 <sup>rd</sup> December 1999
Relationship	: Single
Nationality	: Sri Lankan
Languages	: Sinhala, English
Location	: Kandy, Sri Lanka

### SKILLS

Communication	<div style="width: 80%;"></div>
Creativity	<div style="width: 70%;"></div>
Teamwork	<div style="width: 85%;"></div>
Organizational	<div style="width: 75%;"></div>
Leadership	<div style="width: 80%;"></div>
Problem Solving	<div style="width: 75%;"></div>

### TECHNICAL SKILLS

.NET Core	<div style="width: 80%;"></div>
ML .NET	<div style="width: 70%;"></div>
Angular	<div style="width: 85%;"></div>
Nest JS	<div style="width: 75%;"></div>
HTML 5	<div style="width: 90%;"></div>
SCSS	<div style="width: 80%;"></div>
TypeScript	<div style="width: 85%;"></div>
Flutter	<div style="width: 75%;"></div>
Azure Functions	<div style="width: 70%;"></div>
SQL	<div style="width: 80%;"></div>
Mongo DB	<div style="width: 75%;"></div>
Python	<div style="width: 80%;"></div>

## PROJECTS

### Project PREDICTLY - O/L Students Results Prediction System

PREDICTLY is basically a school student's result predicting system using data classification. Currently, this is implemented for targeting O/L students. It provides predicted results and suggestions for students and an interactive dashboard for schools to analyze students' current performance.

Application URL: <https://www.predictly.live>

API Documentation : <https://api.predictly.live>

API Repository : <https://github.com/sanjanasw/Predictly-Api>

Web App Repository : <https://github.com/sanjanasw/Predictly>

Moble App Repository : <https://github.com/sanjanasw/predictly-mobile>

Used Technologies : .NET Core 5, ML .NET, MSSQL, Angular, Flutter

### Project SLVMS - Vaccination Management System

This application is built to provide an online vaccination card containing information such as where the citizen has taken the vaccine and information about the given vaccine. The app allows the citizen to search for the nearest vaccination centre and book an appointment and provides a way to manage the appointments. The app is fully equipped to provide the citizens with various information related to the COVID-19 pandemic to keep citizens up to date. The mobile application is managed by a web application where the admin and medical staff have various authorisation levels for their respective roles. The entire system is made as a distributed system to prevent system-wide downtime and to handle enormous amounts of traffic.

Application URL: <https://slvms.software>

API Repository : <https://github.com/sanjanasw/vms-api>

Web App Repository : <https://github.com/sanjanasw/vms-client>

Moble App Repository : <https://github.com/sanjanasw/vms-mobile>

Used Technologies : .NET Core 5, MSSQL, Angular, Flutter

### Project One-Meter-Clip

Stand-alone wearable device that helps users maintain safe social distance. One Metre Clip can be comfortably worn by users on their collar. Notifies/Alerts the wearer and the approacher when they comes within 1m from behind of the user.

Uses facial detection to confirm the approacher is human and saves a snap of their face. If the same person is following for more than two consecutive days, users get notified and gets the option to save the image.

Github Link : <https://github.com/lenzfliker/Integrating-Project>

Used Technologies : Python, Firebase, Google Cloud, Fluter

### Project NOVA - Smart Planter

Nova is a smart plant monitoring pot which can monitor plant and maintain plant properly. This will monitor plants soil moisture, temperature, humidity continuously and if anything going wrong pot will notify the user immediately using the mobile app. And if the plant needs water pot will add water to the plant using an inbuilt water tank. And also if the water tank water level is low pot will notify the user. By using a mobile app user can track plant and water reserve tank in real-time.

Github Link : <https://github.com/sanjanasw/NOVA>

Used Technologies : C++, Firebase, Flutter

### Project Harvest Grid

Harvestgrid is a web application to solve a common issue in our country. This application develops a market for the farmers where the farmers can feed their harvest and buyers can buy them. The application provides a chatting facility to users and also there is a farmer rating system to identify good products to buyers.

Github Link : <https://github.com/sanjanasw/HARVESTGRID>

Used Technologies : PHP, HTML, CSS, JavaScript, Mysql, JQuery, Ajax, Google Maps API, Google Geolocation API

## REFERENCE

#### MR. METHSARA PREMARATHNA

SRE - IFS

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#### MR. ASIRI HEWAGE

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