



# ANJANA NIMESH SATHSARA

## SOFTWARE ENGINEER INTERN

### CONTACT ME

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- 📍 No.01, Kumbalwala, Ilukhena.

### TECHNICAL SKILLS

#### Programming Languages

- C
- JavaScript
- Java
- TypeScript

#### Frontend Development

- ReactJs
- HTML
- NextJs
- CSS
- Tailwind CSS
- React Native(Mobile)

#### Backend Development

- NodeJs
- NestJs
- ExpressJs

#### Database

- MongoDB
- MySQL

#### Cloud

- AWS

#### Project Management

- Click Up

#### UI Design

- Figma

#### Version Control

- Git

#### Others

- Canva
- Photoshop

### PROFILE

An enthusiastic and dedicated third year IT undergraduate passionate about exploring the world of Software Engineering through innovation and continuous learning. Equipped with strong leadership qualities and a collaborative spirit, with a proven ability to work effectively in team environments. Currently seeking an opportunity as a Software Engineering Intern to apply knowledge, enhance skills, and work with both existing and emerging technologies.

### EDUCATION

#### University of Moratuwa

(2023 -Present)

B.Sc. (Hons) in Information Technology

- CGPA: 3.64 (upto semester 3, out of 4.00)
- Dean's list in semester 2

#### Saranath National College Kuliyaipitiya

(2021)

G.C.E Advanced Level Examination

- Bio Stream
- Z-score: 1.7426

### PROJECTS

#### CeyAgro - IoT Dashboard for Real-Time Data Analysis

Web & Mobile Application (Level 02 Software Project)

(2024 -2025)

CeyAgro is a cloud based IoT platform designed for real-time monitoring and analysis of sensor data from remote devices. The system supports multiple users, allowing them to visualize, manage, and analyze IoT device data through interactive dashboards.

##### Contribution :

- Implemented report generation with ExcelJS and uploaded reports to AWS S3 for user access.
- Configured AWS IoT Core devices and rules to stream sensor data into Kafka for real-time analytics.
- Location Visualization using React Flow.

##### Technologies :

- Nextjs, Nestjs, MongoDB, AWS IoT Core, AWS S3, ExcelJS, React Flow, Arduino, React Native

## SOFT SKILLS

- TeamWork
- Time Management
- Problem Solving
- Creativity
- Leadership Skills

## LANGUAGES

- English
- Sinhala (Native)

## VOLUNTEERING

Design Subcommittee Member

- INTECS - Faculty of Information Technology

## EXTRACURRICULAR ACTIVITIES

- Cadet Corporal
- Volleyball Player
- Muaythai Player

## NON-RELATED REFEREES

### Ms. M.N. Chandimali

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## Sign Bridge - Gesture to Speech Communication Glove

(Level 01 Hardware Project)

(2023-2024)

Sign Bridge is a wearable microcontroller based glove designed to assist individuals who use sign language by converting hand gestures into spoken words.

### Contribution :

- Integrated DF Mini Player with Arduino Nano to play audio responses for each gesture. Ensured smooth and responsive real-time speech output from gesture inputs.

### Technologies :

- Arduino, C++

## LifeDrop - Blood Donation Management Platform

Web Application (Innovate with Ballerina competition)

(2025)

A platform connecting hospitals, donors, and admins to ensure timely blood donation and availability.

### Contribution :

- Built the hospital side module to manage donors, track blood stock levels, handle patient requests, and organize donation campaigns.

### Technologies :

- ReactJS, Tailwind CSS, Ballerina, MySQL

## Stray Care - Community Platform for Stray Animal Support

(2024)

Web Application (Innovate with Ballerina competition)

Stray Care is a web application that supports stray animal welfare by allowing users to report, register, and help stray dogs and cats, while connecting volunteers for care and donations.

### Contribution :

- Built modules for registering and listing stray animals through a user friendly interface.

### Technologies :

- ReactJS, Tailwind CSS, Ballerina, MongoDB

## PARTICIPATIONS

- CodeRush 2024 | Coding Competition Organized by INTECS, Faculty of Information Technology, University of Moratuwa.
- MoraXtreme 2024 | Coding Competition Organized by IEEE Student Branch of University of Moratuwa.
- AlgoXplore 2024 | CTF Challenge Organized By NSBM Green University.
- Ballerina 2024 | Coding Competition Organized by IEEE Student Branch of University of Moratuwa.
- SpiritX 2024 | Organized by MoraSpirit, University of Moratuwa.