



Sahan Thiwanka

CONTACT

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Portfolio

<https://sahan-thiwanka.vercel.app/>

LinkedIn

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Github

<https://github.com/SahanThiwanka>

Address

Annasigalahema, Miriswaththa,
Ittapana

STRENGTHS

- Analytical Thinking
- Problem solving
- Dedication & Hard Work
- Creativity
- Focus & Persistence
- Adaptability
- Versatility

Fullstack developer with a focus on modern frontend using Flutter, Next.js, and 3D web. Experienced in building responsive, interactive applications with clean UI and solid backend integration.

EXPERIENCE

Mobile App Developer (Flutter)

DDS TECHVIRA, Sri Lanka

July 2023 – July 2024

- Developed and maintained front-end features for mobile applications using Flutter.
- Played a crucial role in various projects, contributing to software development with expertise in Node.js and React.js.
- Demonstrated versatility by seamlessly transitioning between different technologies, enhancing project outcomes.
- Significantly improved the quality and functionality of mobile apps through dedicated work in a fast-paced startup environment.

EDUCATION

Master of Science (MSc) in Information Technology

NSBM Green University, Sri Lanka

September 2024 – Present

BSc (Hons) Software Engineering

Plymouth University (2020- 2023)

Dr. Colvin R. De Silva National School -Advanced Level (Technology stream-2019)

PROJECTS

Healthcare and Medical Record Management System (Blockchain)

Final Year Project:

Blockchain-Based Medical Record Management System (2023)

Development of a blockchain-based medical record system to enhance healthcare data accuracy and privacy. Designed a user-friendly web app for patients to securely add and share medical records with healthcare providers. Focused on a patient-centered approach, optimizing UI/UX to streamline navigation and usability.

Tech Stack: Next.js, Solidity, TypeScript, Ethers.js, Ethereum, Hardhat, MetaMask, Tailwind

SKILLS

Front-End Development

- Flutter
- React.js
- HTML
- CSS
- Bootstrap
- Tailwind
- Next.js
- Three.js

Blockchain Development

- Solidity
- Ethers.js
- Web3.js
- Truffle
- Hardhat
- IPFS

Programming Languages

- Node.js
- Java
- JavaScript
- TypeScript
- C
- C#
- Python
- PHP
- SQL

Tools & Technologies

- Visual Studio Code
- Git
- Remix IDE
- Android Studio
- Arduino IDE
- Firebase
- MongoDB
- IPFS
- Ganache
- Figma
- MySQL

Solar

IOT Project

Solar power monitoring system was implemented to capture inverter values of the solar power grid. A web application is used to display analyzed values using charts and tables.

Tech stack : HTML, CSS, JavaScript, PHP, Python, MySQL

EazyGo

Mobile Application for university shuttle service

Developed a mobile application to track a university shuttle. There were two mobile applications for shuttle drivers and students. In the driver's application, it showed where the students were waiting. Additionally, the student's application displayed the location of the shuttle as well as the availability of free seats. Here, use a Raspberry Pi 4 model B board to count the students in the shuttle with image processing.

Tech stack: Flutter, Firebase

Web development

Developed a multiplayer web game

Two players can play this game online. A WebSocket is used to connect two players to one server. MongoDB is used to store players' data.

Tech stack : HTML, CSS, JavaScript, WebSocket , MongoDB

Booking Application

Programming in Java Project

Hotel room booking application implemented with Paypal and automated email facility.

Tech stack : HTML, CSS, JavaScript, Java, MySQL

Chat Application

Mobile App Development Project

A chat mobile application to collaborate with friends and peers.

Tech stack : Kotlin, Firebase

EXTRA-CURRICULAR ACTIVITY

Industry Preparation Training Programme 2022

REFERENCES

References available upon request.