Sahan
Thiwanka

CONTACT

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Github
https://github.com/SahanThiwanka

STRENGTHS

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

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)

PROFESSIONAL EXPERIENCE

Trainee 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, Java, 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.

ACADEMIC PROJECTS

Healthcare and Medical Record System (Blockchain)

Final Year Project: Blockchain-Based Medical Record System (2023)

Developed a Blockchain Medical Record System in the final year project with the aim of transforming the healthcare sector by ensuring the accuracy and security of health information, thus reducing the risks of privacy breaches. Created a user-friendly web application enabling patients to add their medical records and grant access to healthcare providers, contributing to the development of a patient-centered medical record-keeping system with a strong emphasis on enhancing user interface and user experience, resulting in a significant reduction in the time and effort required to navigate and utilize the system. This project highlighted a commitment to improving healthcare data management for the benefit of both patients and healthcare professionals.
Tech Stack: React ,next.js ,Solidity ,JavaScript, web3.js, Ethereum, Truffle, MetaMask

SKILLS

Front-End Development

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

Blockchain Development

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

Programming Languages

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

Tools & Technologies

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

Solar

IOT Project

Solar power monitoring system was implemented to capture invertor 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

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.