

Sahan Punchihewa

Associate Software Engineer

WORK EXPERIENCE

DP Infotech (Pvt) LTD

March 2024 to Present

RPA Developer - Intern

- Implemented an Asset Management Application using Power Apps and Power Automate
- Implemented a Chat Bot Application using Microsoft Copilot Studio
- Design and develop Legal Management Application using Power Apps
- Contributed to the development of the MSL System Ticket system using Power Automate and a Python backend

Nino Digital House (Pvt) Ltd

July 2023 to December 2023

Associate Software Engineer

- Works on Online Student Management System | Backend – Laravel | Frontend – Angular
- Deployed the developed Projects using Direct Admin

Nino Digital House (Pvt) Ltd -

January 2023 to July 2023

Trainee Software Engineer

- Designed and develop OMDb Movie portal using Rest API – Angular
- Created an E-commerce website using WordPress
- Designed and develop School Management System using Laravel and Angular

EDUCATION

Sri Lanka Institute of Information Technology- SLIIT

- BSc (hons) in Information Technology Specializing in Software Engineering - 2020 to Present

Isipathana College Colombo 05

- GCE Advance Level in Commerce Stream | 2017

TECHNOLOGIES AND TOOL

- **Project Management** - Agile Methodologies
- **Programming Skills** - C, C++, C#, Java, JavaScript, Python
- **Databases** - MySQL, MongoDB, Firebase, SQLite, Oracle Database
- **Version Control** - GitHub, GitLab
- **Application Tools** - Visual Studio, Visual Studio Code, Android Studio
- **Frameworks** - ReactJS, Laravel PHP, Java MVC, Angular, ASP.Net
- **Cloud Computing** - Digital Ocean, Direct Admin, Heroku
- **Containerization** - Docker
- **Microsoft Project** - Power App, Power Automate, SharePoint, Copilot



CONTACT



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RELEVANT COURSEWORK

- Data structure and algorithms
- Secure software development
- Enterprise application development
- Mobile application development
- Software project management
- User experience engineering
- Database management systems

SOFT SKILLS

- Communication Skills
- Able to work as a team
- Hard-working
- Leadership Skill
- Adaptability
- Collaboration
- Time Management
- Problem Solving

EXTRA CURRICULAR ACTIVITIES

- Developer - MS Club of SLIIT
- Participate SLIIT Xtreme Competition 2021
- Participate Hacktitude Competition 2021
- Contribute to Hacktoberfest in 2021
- Contribute to Hacktoberfest in 2022

REFERENCES

- Ms. Lokesha Weerasinghe,
Lecturer Faculty of Computing SLIIT
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- Ms. Hansi De Silva
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PROJECT EXPERIENCE

Final Year Research Project - Apeksha Hospital Donor Engagement System

4th Year 2nd Semester

- As part of the "Apeksha Hospital Donor Engagement System" project, I contributed to developing an intelligent donor-driven inventory system to address donor engagement and inventory challenges at Apeksha Hospital. The hospital faced significant difficulties in managing donor relationships and efficiently allocating resources based on donor preferences and hospital needs. Our solution utilizes machine learning to analyze donor behavior and historical inventory usage patterns, enabling the system to recommend essential items that align with current requirements. This innovative approach not only improves the accuracy of inventory management but also enhances donor satisfaction by providing a tailored, interactive platform for donors to select and track their contributions. The outcome is a more efficient and responsive resource allocation system that bridges the gap between donor intentions and hospital necessities, leading to improved operational efficiency and a better donor experience.
- **Technologies :** Python , NodeJS, ReactJS
- **Tools :** Jupyter Notebook, Scikit Learn, Anaconda Navigator, FastAPI, and Render
- **Algorithm :** Decision Tree Regression
- **Version Controlling :** GitHub
- **Containerization :** Docker
- **Project Link:** [Lend-A-Hand](#)

Current Trends in Software Engineering - E-Commerce Web Application

4th Year 2nd Semester

- As part of a university assignment on Current Trends in Software Engineering, our group developed a microservices-based e-commerce website architecture, including Auth, Order, Product, and Review Services, with an API Gateway for client queries. I was responsible for developing the Order Service, creating comprehensive documentation, and implementing Docker and CI/CD pipelines specific to the Order Service. My contributions ensured robustness and efficient integration within the overall architecture. This project demonstrated my proficiency in modern software development practices, containerization, and automated deployment processes, showcasing my ability to contribute effectively to dynamic development environments.
- **Technologies :** Node JS, Docker, Kubernetes
- **Project Link:** [E-Commerce Web Application](#)

Enterprise Application Development - Online Ticket Reservation System

4th Year 1st Semester

- Automated end-to-end Online Ticket Reservation System, showcasing proficiency in ASP.Net C# for the enterprise application, Java for the Android mobile app, and ReactJS for the frontend. Implemented a RESTful web service to enable seamless communication between components. The result is a unified platform that allows users to easily browse, select, and reserve tickets across web and mobile interfaces.
- **Technologies :** ASP.NET, ReactJS, Java, Docker
- **Project Link:** [Ticket-Reservation-System-Backend](#)
[Ticket-Reservation-System-Frontend](#)
[Ticket-Reservation-System-Mobile](#)

Complaints Management System

3rd Year 2nd Semester

- The Automated Online Complaints Management System utilizes MERN stack with Docker integration. It simplifies complaint handling, enabling submission, tracking, and updates. MongoDB stores data efficiently, Express/NodeJS manage server-side tasks, and ReactJS ensures a user-friendly interface. Docker enhances the system's capabilities through containerization. This project optimizes complaint management with cutting-edge technology.
- **Technologies :** MongoDB, Express, NodeJS, ReactJS, Docker
- **Project Link:** [Online Complaints Management System](#)

Ayurvedic Shopping Platform

3rd Year 2nd Semester

- The Automated Online Ayurvedic Shopping Platform employs the MERN stack, Docker, and Kubernetes. Offering seamless shopping, it features a wide Ayurvedic product range. Microservice architecture ensures scalability, and Docker provides consistency. Kubernetes orchestrates containers, enhancing efficiency. This project innovates Ayurvedic shopping with advanced technology, enhancing user experience and management.
- **Technologies :** MongoDB, Express, NodeJS, ReactJS, Docker, Kubernetes
- **Project Link:** [Online-Ayurvedic-Shopping-Platform](#)