Shakila **Weerasinghe**

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Summary

As a proactive Computer Engineering undergraduate, I am seeking an internship where I can apply my knowledge of software development and IT systems. I am familiar with the principles of software design and development. Proven ability to leverage technical skills in developing scalable solutions and a passion for learning new technologies.

Projects

SaaS Point of Sale System   2023 October - Present

- Contributed to backend development using NestJS and, frontend development using Next.js, ensuring efficient data handling, business logic implementation, and enhanced user experience and interface design.
    - Frontend: Next.js (React), Typescript, HTML, CSS, shadcn
    - Backend: Nest.js (Node.js), MongoDB
    - Other: Jira, Agile Software Development, Git

Java Quiz App using Socket Programming   2024

- Developed a multiplayer Quiz Application using Java and socket programming for real-time user interactions. Designed and implemented client-server architecture to handle multiple concurrent users.
    - Java, Java Swing, Socket Programming, TCP/IP, Multi-threading

Lost Pet Recovery and Identification System   2023

- Developed a full-stack solution with React for the frontend and Node.js for the backend, designing a user-friendly interface for reporting lost pets.
    - Frontend: React.js, javascript, HTML, CSS
    - Backend: Node.js, MongoDB, RESTful API Development

Hotel Booking Cancellation Prediction Using ML Algorithm   2023

- Developed a predictive model using Logistic Regression and Support Vector Machine algorithms to forecast hotel booking cancellations, achieving high accuracy by analyzing hotel booking datasets for training and testing.
    - Machine Learning: Python, sci-kit-learn, pandas, NumPy
    - Algorithms: Logistic Regression, Support Vector Machine

Doctor Booking Mobile App (QuickHealthHub)   2023

- Created a mobile application using Flutter for doctor appointment bookings and patient queue management, while implementing robust backend services for efficient user data and appointment handling
    - Flutter, Dart
    - Firebase (Authentication, Cloud Firestore)

[Train Management System](#)   **2023**

- Developed a Train Management System using C++ for efficient train schedule and booking management, implementing core functionalities and utilizing various data structures for optimal performance.
    - C++
    - Data Structures (arrays, linked lists, and queues) and Algorithms

Skills

Programming Languages - JavaScript, TypeScript, Java, Python, C, C++, Dart

Mobile Apps Development - Flutter, Android

Web Apps Development - Next.js, Nest.js, Node.js, React, RESTful API, HTML, CSS

Database - MySQL, MongoDB

OS - Windows, Linux

DevOps - Docker, Jenkins, CI/CD, Ansible, Terraform, Github, Gitlab, Shell scripting

Cloud - AWS

Tools - IntelliJ IDEA, Visual Studio IDEs

Other Technical Skills - Computer Networking, Network Programming

Digital Arts - Adobe Photoshop, Adobe Illustrator

Soft Skills- Strong problem-solving abilities, team collaboration, Adaptability, Critical thinking, Attention to details

Education

B.Sc.Eng. in Computer Engineering
Faculty of Engineering - University of Ruhuna   2021 March - Present

G.C.E. Advanced Level - 2019
Debarawewa Central Collage   2015 - 2017

Referees

Dr. K.M.Y.S. Konara	**Mr. Thilina Weerasinghe**
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