CHARITH MIHIRANGA SIRIWARDANA

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SUMMARY

I am a passionate and motivated Software Engineering student at the Institute of Java Software Engineering (IJSE), with a strong interest in exploring modern technologies and innovative solutions.Through my studies, I have gained a solid understanding of software development concepts and practical experience with tools and frameworks commonly used in the industry. I am eager to apply my knowledge in a professional environment, enhance my skills through real-world projects, and contribute positively as an intern while continuing to grow as a software engineer.

EDUCATION

Institute Of Java Software Engineering(IJSE)   *2023 - 2025*
- Graduate Diploma in Software Engineering(GDSE)

Sri Lanka Institute Of Information Technology   *2019 - 2020*
- CPITA Certificate Programme

SN/National Collage   *2020 - 2022*
- GCE A/L (General Certificate of Education – Advanced Level)

SN/National Collage   *2014 - 2019*
- GCE O/L (General Certificate of Education – Ordinary Level)

PROFESSIONAL SKILL

- **Languages:** Java, JavaScript, TypeScript
- **Database:** MySql, MongoDb
- **Cloud Platforms:** Firebase
- **Framework & Libraries:** SpringBoot, Express, React js, Node Js, React Native, Tailwind CSS
- **Operating Systems:** Linux, Windows, MAC
- **Version Control:** Git, GitHub

PROJECTS

- **UTax web Application**

As part of my team project U-Tax, developed for the Circle Edge competition, we built a tax management solution using the MERN stack (MongoDB, Express.js, React, Node.js). The system was designed to help Sri Lankan taxpayers easily calculate and manage their taxes through a user-friendly interface and secure backend. This collaborative project showcased our ability to apply modern technologies in solving real-world problems, and our team was awarded Second Place in the competition.

- **Expenses Tracker Mobile App**

Developed a mobile application using React Native and Firebase that allows users to manage their personal finances efficiently. Users can create accounts and log in securely, add and categorize their expenses, and view interactive bar graphs representing their spending habits. The app also provides a monthly summary, helping users track their expenses and make informed financial decisions.

- **Library Management System**

I developed a Library Management System using the MERN stack (MongoDB, Express.js, React, and Node.js) to efficiently manage books, readers, and borrowing records. The system allows librarians to add, update, and delete books, while users can browse available books, borrow them, and track their return status. Key features include real-time book availability updates, user authentication, and an intuitive interface for both administrators and readers. By leveraging React for the frontend and Node.js with Express.js for the backend, connected to MongoDB for data storage, the system provides a seamless,responsive, and scalable solution for modern library operations.

- **Online Bus Seat Reservation Web Application**

I developed an Online Bus Seat Reservation Web Application using Spring Boot for the backend and MySQL as the database. The system enables passengers to search for buses, reserve seats, and generate e-tickets instantly after booking. It also includes a reminder feature that notifies passengers about their upcoming trips. With a secure and scalable backend, user-friendly design, and automated ticketing process, this project provides a convenient solution for modernizing bus seat reservations.

- **Culinary Academy Management System**

Culinary Academy Management System – Developed a comprehensive management system using Hibernate ORM that enables efficient handling of the academy's operations. Implemented CRUD operations for students and culinary programs, user role management with secure password encryption, and entity relationships including cascades for proper data management. The system allows viewing of students registered in various programs and ensures role-based access to functionalities, streamlining administrative tasks for the academy.

- **Wine Store Management System**

Developed a management system using Java (JavaFX) for the frontend and MySQL for the database. The system allows store owners to manage inventory, track sales, handle customer details, generate bills, and create reports using JasperReports efficiently. With its intuitive interface and reliable backend, the application streamlines daily operations and improves overall store management.

REFERANCES

Prasad Waduge
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