Dewmi Rajapakshe

BSc (Hons) in Information Technology (Specializing in IT) at SLIIT (Undergraduate)
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Summary

I am an enthusiastic and dedicated undergraduate currently pursuing a BSc (Hons) in Information Technology at SLIIT. I am actively seeking an internship opportunity in the IT field, with a strong interest in UI/UX design,UI/UX Engineering and web development. My goal is to gain practical experience, contribute meaningfully to projects, and grow into a skilled and respected IT professional. I am particularly passionate about creating user-friendly digital experiences and developing modern, responsive web applications

Projects

Boat Safari Trip Management System
This project was developed as part of our 1st year 2nd semester coursework. It is designed to manage boat safari trips including trip scheduling, customer registration, and safari tracking.
I was specifically responsible for the **User Management** functionality. I created the frontend interface using **HTML5 and CSS** to allow users to register, log in, and manage their profiles easily. The backend was implemented using **PHP**, where I handled the logic for CRUD operations (Create, Read, Update, Delete) for user data. I also validated user input and maintained secure session handling. The database was managed using **MySQL** via **phpMyAdmin** for efficient data storage and retrieval. This project strengthened my practical skills in connecting user interfaces with server-side logic.
Technologies Used: HTML5, CSS, PHP, phpMyAdmin

Online e-Channeling System
This project was developed during our 2nd year 1st semester as a team assignment to create a platform for booking medical appointments online. I was responsible for the **Doctor Management** module, which included adding, updating, and removing doctor profiles, as well as managing their available appointment slots. I developed the frontend using **HTML5 and CSS** to ensure a responsive and user-friendly interface, while the backend logic was implemented using **JavaScript**. I also integrated a **MySQL database** to store and retrieve doctor-related data efficiently. The project was built following the MVC architecture for better modularity.
Technologies Used: Java, HTML5, CSS, JavaScript, MVC Architecture

CEY COIR – Enterprise Management System
This was a comprehensive enterprise-level system developed for a coir manufacturing company to manage internal operations. It included five core modules: User and Employee Management, Product and Machinery Management, Order and Delivery Management, Warehouse Management, and Financial Management. My main responsibility was the **Product and Machinery Management** module. I developed the frontend using **React.js** and styled it using **Tailwind CSS** to ensure a clean and responsive user interface. The backend was built using **Express.js and Node.js**, providing a RESTful API structure to handle machine-related data. The system used **MongoDB** to store all relevant records securely and efficiently.
Technologies Used: MongoDB, Express.js, React.js, Node.js, MVC Architecture

Financial Tracker Mobile App (Shared Preference Version)
This was my first Kotlin-based mobile application, focused on helping users manage their personal finances. It allowed users to add income and expense entries, view summaries, and monitor savings. I utilized Android's Shared Preferences for lightweight data storage, and implemented a minimalistic UI with real-time updates on the dashboard. The app encouraged financial discipline through simplicity and ease of use.
Technologies Used: Kotlin, Android Studio, MVVM Architecture, Shared Preferences

Financial Tracker Mobile App (Room Database Version)
An enhanced version of the financial tracker app that uses Room, a robust SQLite abstraction, to support advanced features like persistent transaction history, filtering, and data analysis. Kotlin Coroutines were employed for smooth asynchronous database operations. I also implemented user onboarding and navigation improvements to enrich user experience.
Technologies Used: Kotlin, MVVM Architecture, Room Database, SQLite, Kotlin Coroutines

Nutrient-Market (In Progress)
This is an ongoing e-commerce web platform designed to sell food and nutritional products online. The system supports product listing, search functionality, a dynamic shopping cart, and user authentication. I'm contributing to both frontend design and backend API development, leveraging Vite for fast development cycles and modular coding. The project emphasizes responsiveness, accessibility, and secure user interactions.
Technologies Used: MongoDB, Express.js, React with Vite, Node.js, MVC Architecture

Education

- **BSc (Hons) in Information Technology Specializing in IT (2023–Present)**
  Sri Lanka Institute of Information Technology

- **G.C.E. A/L - 2022(23), G.C.E. O/L - 2019**
  Rajapakshe Central College, Weeraketiya (Physical Science stream)

- **Diploma in English**
  ICBT, Matara

Skills

Java, React.js, Express.js, OOP, GitHub, PHP, UI/UX, Kotlin, Tailwind CSS, MySQL, JavaScript, Git

Languages

English, Sinhala

Technologies

- **Languages:** C, C++, Java, SQL, Kotlin, Python, R, HTML5, CSS, JavaScript, XML

- **Full-Stack:** PHP, React.js, Node.js, Express.js

- **Architecture:** MVVM, MVC

- **IDEs/Tools:** VS Code, Eclipse, IntelliJ, XAMPP, Excel, R Studio, Android Studio

- **Databases:** MSSQL, SQLite, MongoDB

- **CI/CD:** GitHub, Git

- **Design:** Figma, Canva

References

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