CHATHUKA DILAKSHANA
SOFTWARE ENGINEER INTERN

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Portfolio - https://chathukadilakshana.vercel.app/

Summery

Driven to create innovative solutions for real-world challenges, skilled in programming, and committed to growth. Focused on making a meaningful impact in the tech industry through collaboration and creativity.

Work Experience

Apps Technologies (Pvt) Ltd | Software Developer Intern   **Jan 2025 - August**

- Designed and implemented new ERP system modules, including Inventory Report, Requisitions, and Finance workflows using Laravel, Bootstrap 5, and JavaScript.
- Developed critical backend features such as transaction reference codes, auto-generated account ranges, and sub-code category structures, ensuring accurate financial and operational data management.
- Resolved major production bugs across Stock Issue, Stock Transfer, and POS modules, significantly improving system reliability, data accuracy, and user experience.
- Conducted comprehensive QA and regression testing, identifying edge cases and optimizing workflows to ensure smooth deployment in live environments.
- Enhanced system usability by building responsive UIs and integrating dynamic dropdowns, pagination, and export features, improving efficiency for end-users.
- Collaborated closely with QA teams, developers, and supervisors, delivering bug fixes, technical documentation, and live demonstrations to stakeholders.

Education

Sri Lanka Institute of Information Technology (SLIIT) 2022 - Present
BSc (Hons) in Information Technology, Specializing in Information Technology Undergraduate

ST/ALOYSIUS COLLEGE Rathnapura 2021/2022
G.C.E Advanced Level - Maths Stream

Project Experience

Tourist Management System – MERN Stack
- Developed a full-stack web application for managing tourism services, including booking, guides, and travel packages.
- Implemented secure authentication, authorization, and CRUD operations for both users and administrators.

Review Analysis Project – Python (Jupyter Notebook)
- Built a sentiment analysis pipeline by preprocessing customer reviews using CountVectorizer and TF-IDF.
- Trained and evaluated machine learning models (Logistic Regression, Naive Bayes) to classify review sentiments.

Hotel Reservation Website – PHP, Java, MySQL
- Engineered a hotel booking platform with search, browse, and room reservation features.
- Designed a user-friendly UI with dynamic booking workflows.
- Utilized PHP for backend logic and MySQL for database management, ensuring secure and reliable transactions.

Community Empowerment Hub – MERN Stack, OpenAI API
- Developed a community-driven web platform integrating a marketplace, job portal, and AI-powered tools to support sellers, buyers, job seekers, and admins.
- Implemented a user management system with role-based access (Seller, Buyer, Admin) and secure authentication using JWT.
- Built a marketplace with product listing, search, and CRUD functionality, and a job portal enabling job postings, applications, and application tracking.

<ins>**Library Management System – React.js Web Application**</ins>
- Built a modern library management system enabling users to browse collections and register as members with streamlined UI.
- Simplified administration by implementing features for managing books and user access via a robust React-based interface.

<ins>**Smart Note MAD App – Kotlin Mobile Application**</ins>
- Developed a mobile note-taking app using Kotlin, focusing on simplicity and rapid note management.
- Demonstrated proficiency in mobile UI design and Android app structure.

Skills

- Frameworks & Technologies: Laravel, MERN Stack (MongoDB, Express.js, React.js, Node.js), Tailwind CSS
- Programming Languages: PHP, Java, JavaScript, HTML, SQL, Kotlin
- Databases: MySQL, MongoDB, Supabase, Navicat
- Tools & Platforms: Git/GitHub, Postman, Visual Studio, Notion
- Professional Skills: Presentation & Demonstration, Problem-Solving, Team Collaboration
- Other Expertise: UI/UX Design, RESTful API Development, Full Stack Web Development