

KASUN FONSEKA

SOFTWARE ENGINEERING UNDERGRADUATE

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OBJECTIVE

Innovative Software Engineering undergraduate specializing in **frontend development (HTML, CSS, JavaScript)** and **UI/UX design (Figma, Adobe XD)**. Proficient in **Java, Agile methodologies**, and **responsive design**. Passionate about creating **user-centric interfaces** through **wireframing, prototyping**, and **usability testing**. Looking to apply **design thinking** and technical skills within collaborative teams to deliver **quality software solutions** for real-world challenges.

SKILLS AND ABILITIES

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| <ul style="list-style-type: none">• Programming Languages: Java, C• Frameworks: React JS• UI/UX design: Figma, Adobe Photoshop• Version control: Git, GitHub | <ul style="list-style-type: none">• IDEs Editors: Visual Studio Code• Database: MongoDB, MySQL• Quality Assurance: Test case creation, Selenium WebDriver, IntelliJ IDEA |
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PROJECTS

Frontend

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| <ul style="list-style-type: none">• Authentication System
Built a Login, Registration, and Password Reset system using MERN Stack with: JWT Authentication, Email Verification via secure 6-digit OTP, Password Reset with OTP input.• Smart Inventory Management system (In Progress)
Create an inventory management system to streamline operations, reduce costs, and improve decision-making by enhancing item tracking, minimizing errors, preventing stock | <p>issues, and providing secure access with alerts.</p> <ul style="list-style-type: none">• Count Down-App
A Dynamic Countdown Timer Built with React and Styled with Tailwind CSS• Hotel Management System
Developed a hotel management system with customization features using HTML, CSS, JavaScript, and PHP. |
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UI/UX

- Travel App Design
Explore Sri Lanka is a travel app for discovering top spots and hidden trails. It features easy onboarding, detailed guides, interactive maps, personalized favorites, and a travel tracker, all in a nature-inspired design.
- Sri Lanka Railways Reservation App Redesign
I added some user-friendly features and Seats select method.
- Tv Time App Redesign.
- Classic Insurance app Design

EDUCATION

- **BSc (Hons) Software Engineering**
Colombo International Nautical and Engineering College. (CINEC) Oct 2022 – Present
GPA - 3.0
- **Professional Certificate in Marketing**
Sri Lanka Institute of Marketing. (SLIM) Oct 2021

PUBLICATION & CERTIFICATION

- “Advanced Eye-Tracking and Depth Perception Algorithms for Glasses Free 3D Viewing.”
Abstract published in the 5th CINEC International Research Symposium and selected for oral presentation
- “AI-driven Fake Currency Detection: A New Frontier in Currency Security” Abstract published in 4th CINEC International Research Symposium

EXTRA CURRICULAR ACTIVITIES

- Head of Public Relations - TechStrike Club, CINEC Campus
- YouTube Content Creator
- Freelance Graphic Designer

REFERENCE

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