

MUTHUHARI NISANSALA

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[Linkedin](#) | [GitHub](#) | [Behance](#) | [Meduim](#) | [Portfolio](#)

SUMMARY

Software Engineer and UI/UX Designer with over 2.5 years of experience in designing, developing, and deploying scalable applications. Proficient in various methodologies, tools, and frameworks, with strong analytical skills, effective communication, team collaboration, and continuous improvement in agile software development environments.

TECHNICAL SKILLS

- **Frontend:** JavaScript | React.js | Next.js | Vue.js | HTML5 | CSS3 | Bootstrap | Material UI | Chart.js | Redux
- **UI/UX & Design:** Wireframing | Figma | FigJam | Photoshop | Adobe XD | Miro
- **Backend & DB:** Node.js | MySQL | MongoDB | Java | Spring Boot
- **Version Control & Development Tools:** GitHub | Azure repos | GitHub Actions | Postman | Zoho | Jira | ClickUp
- **Concepts & Methodologies:** Agile | Object-Oriented Programming (OOP) | ERP Systems | Courier Systems | POS Systems | Moodle

WORK EXPERIENCE

Associate Frontend & UI/UX Engineer | Peercore Nexgen (Pvt) Ltd Sep 2023 - Present
(React.js | Next.js | HTML5 | CSS3 | Bootstrap | GitHub Actions | Figma | Postman | Jira)

- Worked on UI frontend development using **React.js** and **Next.js**, adhering to agile processes in software development.
- Developed responsive web applications using **JavaScript**, **HTML5**, **CSS3**, and **Bootstrap** framework.
- Utilized UI libraries such as Chart.js and Material UI to enhance the user interface.
- Designed wireframes and UI/UX prototypes using **Figma** and **Photoshop**, ensuring user-centered design principles.
- Managed codebases across multiple environments, with experience using **GitHub** and **Azure** for version control and collaboration.
- Utilized tools like **Postman**, **Zoho**, and **Jira** for API testing, project management, and tracking progress.
- Gained a deep understanding of Moodle and ERP systems, contributing to system improvements and integrations.

Intern Software Engineer | Parallax Technologies (Pvt) Ltd Dec 2022 - Aug 2023
(Vue.js | HTML5 | CSS3 | Bootstrap | GitHub Actions | Figma | Miro | ClickUp | Postman)

- Worked on UI frontend development using **Vue.js**, implementing modern web features and ensuring responsive designs.
- Developed and maintained websites using **JavaScript**, **HTML5**, **CSS3**, and the Bootstrap framework to create clean, user-friendly interfaces.
- Designed wireframes and crafted UI/UX solutions using tools like **Figma**, **Photoshop**, **Adobe XD**, and **Miro** to enhance user experiences.
- Utilized software like **Postman** for API testing and **ClickUp** for task management, ensuring seamless project workflows.
- Managed codebases effectively using **GitHub**, collaborating with teams, and ensuring proper version control.
- Gained a deeper understanding of Courier and POS systems, tailoring the development approach to these specific industries.

UI/UX Instructor | MIHA Institute Part-time Nov 2024 - Present

Mentoring students in UI/UX design, I focus on topics such as user-centered design, wireframing, prototyping, usability testing, and emerging trends.

PROJECTS

- Lung sound classification system using deep learning | *Final Year Research Project Group project*

Developed a Lung Sound Classification System using Deep Learning techniques to accurately analyze and classify lung sounds for medical applications. The system employs advanced sound processing methods, leveraging Python, Librosa, and Pandas for efficient data handling and feature extraction. A Convolutional Neural Network (CNN) is implemented for classification, utilizing powerful frameworks such as TensorFlow and Keras to build and train the model. This system aims to assist healthcare professionals in detecting respiratory conditions through reliable sound analysis, improving diagnostic accuracy and patient care.

Contribution: Developed Frontend with React.js, focusing on UI and data integration. Contributed to data preprocessing and UI/UX design using Figma.

- **HR and Payroll Management System | Web Application** *Individual Project*

Designed and developed a comprehensive HR Management System using React.js, Node.js, Express, and MongoDB. Implemented employee management, role-based access, attendance, leave tracking, payroll, reporting, and notification modules. Ensured secure authentication, responsive UI, and scalable architecture to streamline HR operations and enhance employee experience with efficient workflows.

- **Online Learning Platform | Web Application** *Individual Project*

Developed a full-stack online learning platform using React.js, Node.js, Express, and MongoDB. The system allows users to browse and enroll in courses, monitor learning progress, and access content through an intuitive interface backed by a secure, scalable backend.

- **Case Study: E-Commerce Electronic Webstore**

Designed a responsive e-commerce platform for electronic items, including both web and mobile views. Conducted real user interviews to identify needs and pain points, then developed user personas to inform the design process. Focused on creating a user-friendly interface with intuitive navigation, enhancing the shopping experience for diverse users across devices.

[Figma Link](#)

- **AI Interview Service Provider Application** *Client Project*

Designed a responsive AI-powered interview service application for both web and mobile platforms. Focused on creating an intuitive and user-friendly interface to streamline the interview process. Conducted UX research and developed wireframes to enhance usability, ensuring seamless navigation, optimized layouts, and an engaging experience for candidates and recruiters alike.

[Figma Link](#)

- **Case Study: Financial literacy App**

FinFit is a financial literacy app tailored for Gen Z, offering interactive and engaging ways to learn personal finance. It features short videos, budget challenges, fun games, and savings trackers, empowering users to build smart money habits. With practical tools and bite-sized lessons, FinFit makes financial education easy and enjoyable.

[Figma Link](#)

LANGUAGES

- English - Professional Working Proficiency
- Sinhala - Native

EDUCATION

B. Sc. (Hons) in Computing

2022 - 2024

Wrexham Glyndwr University - UK

- 2nd Upper Division

Higher National Diploma in Information Technology

2019 - 2022

Institute of Technology | University of Moratuwa

Taxila Central College - Horana

Passed G.C.E O/L (2014) 8A s, 1C

Passed G.C.E A/L (2018)

Chemistry: B ,Combined mathematics: C ,Physics: C

CERTIFICATES

- Introduction to Cybersecurity(Cisco)
- Scrum Foundation Professional Certificate (Certiprof)
- CCNA: Introduction to Networks(Cisco)
- Following open learning platform Full-stack courses(University of
- Moratuwa)
- AAT Level II Certificated

REFEREES

Dr. (Mrs.) K. Galappaththi Head of the
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