Danuja Hemal Jayasuriya

Software Engineer

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Summary

Fresh undergraduate with a passion for learning and a strong foundation in Full Stack development, backed by real-world experience in innovative projects. I am committed to continuous growth, both in knowledge and expertise, and strive to apply my academic skills and strengths to achieve future career goals. With excellent interpersonal and communication skills, I am seeking a position that challenges me and offers opportunities for both personal and professional development.

Experience

Pearson Lanka   April 2023 - April 2024

Software Engineer Intern   Colombo, LK

⎘ https://www.pearson.com/

During my 12-month internship at Pearson Lanka as a Software Engineer, I specialized in web development using React.js, contributing to the Pearson+ project by enhancing the flashcards component's functionality, accessibility, and UI. I also led the migration to React 17, refactoring class components to functional ones for improved performance. Working within an agile environment, I maintained high code quality through GitLab. Additionally, I contributed to research on improving memory retention, delivering presentations that strengthened my communication and interpersonal skills.

Kongcepts   Sept 2022 - Nov 2022

Full Stack Developer   Kandy, LK

⎘ https://kongcepts.com/

At Kongcepts, I engaged in full-stack web development, utilizing technologies such as React, Angular, and Node.js. My focus was on enhancing web accessibility, resulting in more inclusive applications and a deeper understanding of accessibility standards and best practices.

Education

Sri Lanka Institute of Information Technology (SLIIT)   **2021-Present**

BSc (Hons) in Information Technology Specializing in Software Engineering

3.47

⎘ https://www.sliit.lk/

Kingswood College - Kandy   **2007-2020**

Maths stream

Skills

Java	**JavaScript**	**TypeScript**	**Swift**
Python	**React.js**	**React Native**	**MaterialUI & Tailwind**
Git	**Linux**	**Docker**	**MongoDB**
SQL	**Firebase**		

Soft Skills

Time and Stress management	**Problem Solving**	**Quick and Adaptive Learning**
Interpersonal & communication	**Leadership and Management**	

Projects

Pearson+ eTextbook flashcards component

🔗 https://bit.ly/3zjSoTU

Enhanced Pearson+ flashcards to improve memory retention by adding features, fixing bugs, and improving accessibility. Led migration to React 17 functional components, managed state with Redux, and contributed to R&D on a spaced repetition algorithm to boost effectiveness.

Technologies used: React.js, Redux, SCSS, MaterialUI, Python, Swift

BrainStation - Adaptive Quizzing Tool

BrainStation is an adaptive learning tool for ADHD students. I developed a quizzing tool with quiz generation, a dynamic UI, and a modified algorithm to improve memory retention, handling both frontend and backend for a seamless experience.

Github: https://bit.ly/3zigiPH (Backend), https://bit.ly/3Bqgf4E (Frontend), https://bit.ly/3ZFUxUm (Admin) **Figma:** https://bit.ly/4dgAZcB

Technologies used: NLP, T5, Node.js, React.js, OpenAI, TailwindCSS, MongoDB, Firebase

AutoCare Xpress - Car servicing app

AutoCare-Xpress streamlines car service appointments with flexible scheduling and real-time updates. I designed the UI and integrated Firebase for features like service station registration, image uploads, and push notifications.
Github: https://bit.ly/4gteunD | **Figma:** https://bit.ly/3Zw2DPp

Technologies used: React Native, Firebase (RealtimeDB & FCM), Expo

TraveloThreads - Travel Enthusiast Social App

Developed a travel-focused social platform with posts, images, and location tags. Added interactive features like likes and comments, with Firestore Security Rules and indexing for scalability.

Github: https://bit.ly/3Bni0Q6 | **Figma:** https://bit.ly/3TFG1rZ
Technologies used: SwiftUI, Rive, Firebase, Cocoapods

Community Experience

Project Coordinator - SLIIT FOSS Community   2022-2023

I was selected as a project coordinator on the SLIIT FOSS head board, working with a diverse community on various open-source projects. This experience helped me gain valuable knowledge and contribute alongside a talented developer team.

Developer Relations Director - SLIIT Mozilla Club   2023-2024

As Director of Developer Relations at SLIIT Mozilla Club, I engaged with tech communities and helped develop the club's official website. I also gave presentations, wrote articles, and shared knowledge to support community growth.

Non-Relative References

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Head - Industry Engagement Unit

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