WATHSALA MADANASINGHE

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Professional Summary

Computer Science student with hands-on experience in full stack development using JavaScript, React, Next.js, Node.js, and SQL. Proficient in creating responsive UIs with TailwindCSS and implementing backend solutions. Seeking a Software Engineering internship to apply my technical skills while contributing to innovative projects.

Education

Undergraduate of Bachelor of science in Physical Science
University of Sri Jayewardenepura

Relevant Coursework: Data Structures & Algorithms, Database Systems, Object-Oriented Programming, Software Engineering

Technical Skills

Languages : Javascript, HTML, CSS, sql, Java

Front-end : React, Next.js, TailwindCSS, ShadCn UI

Back-end : Node.js, Express.js

Databases : MySQL, Firestore

Tools & Technologies : Git, Github, VsCode, Postman, Figma, Illustrator, Photoshop, Blender

Projects

Prepwise- AI interview bot | Full-Stack project

- Developed an AI-powered interview bot with voice call features using Vapi Agent, improving user engagement by simulating real interview environments.
- Built the front-end using Next.js, TailwindCSS, and ShadCn UI for responsive and modern user interface.
- Integrated Firebase Authentication for secure user login and Firestore as the cloud database to manage user data.
- Utilized Gemini AI SDK to generate intelligent and adaptive interview responses and feedback.
- Enabled seamless voice-based mock interviews to enhance user experience and simulate real interview environments.

Brianwave | Front-end project

- Built a responsive front-end application using React.js and Tailwind CSS to help users generate and organize creative ideas.
- Designed and implemented clean UI components focused on intuitive user interaction and accessibility.
- Focused on front-end functionality and design to deliver a polished user experience across devices.

DoodleBuddy | Smart Drawing assistant - HCI project

- Designed an interactive system using ESP32 and ultrasonic sensors to detect hand position and protect artwork during drawing.
- Controlled a stepper motor to automatically scroll a protective cover, preventing smudges while sketching.

Activities & Leadership

Leo C2 : Member, Designing team

Physics Society : Committee member

Sasnaka Sansada Foundation : Volunteer, Front-end developer