

Viren Walia

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PROJECTS

Glific Chat App

I led the development of the Glific Chat application, utilizing a tech stack that includes React for a responsive UI, Node and Express for server-side functionality, Material-UI for a user-friendly interface, Redux for state management, MongoDB for a robust database, React-Hook-Forms for optimized form handling, and Socket.io for real-time communication. This project highlights my proficiency in modern web development tools and frameworks, showcasing my ability to create efficient and seamless applications.

NEER

Our SIH finalist project employs a sophisticated machine learning model to swiftly detect anomalies, particularly cracks, in pipelines, presenting real-time insights through a React-powered admin dashboard. With a tech stack featuring Node, Express, Material-UI, MongoDB, AWS, and Node-Cron, our streamlined system sets a new standard for efficient and proactive pipeline maintenance, revolutionizing infrastructure monitoring.

COUPON SLEUTH

Introducing Coupon Sleuth, a must-have Chrome extension designed to streamline the online shopping experience for savvy consumers. This innovative tool, crafted using HTML, CSS, and JavaScript, seamlessly navigates the web, uncovering hidden discount codes to maximize savings. Leveraging the capabilities of Chrome Extension APIs, Coupon Sleuth operates effortlessly, providing users with real-time access to exclusive discounts. Its user-friendly interface and intuitive functionality make it an essential companion for those seeking to make the most of online deals, ensuring a more cost-effective and rewarding shopping journey.

POSITION OF RESPONSIBILITY

TECH HEAD AT OWASP

Dec 2022 - Feb-2023

As the Tech Head for the prestigious HackOwasp 5.0 hackathon, sponsored by GitHub and Polygon, I successfully led a team of developers and designers through the end-to-end development and deployment of the event's website. My role involved meticulous coordination to guarantee a seamless user experience and optimal performance. In close collaboration with the design team, I played a pivotal role in translating design concepts into functional and visually appealing user interfaces. This experience not only showcased my leadership in a high-profile tech event but also highlighted my ability to manage diverse teams and ensure the successful execution of a complex project with precision and efficiency.

WEB-DEV MENTOR AT OWASP

Aug 2023 - Present

As the Web Development Mentor at OWASP-TIET, I shoulder the responsibility of guiding and supporting fellow students in their journey to master the intricacies of web development. In this pivotal role, I provide mentorship and assistance to ensure a comprehensive understanding of web development concepts, fostering a collaborative learning environment within the OWASP-TIET community. This position reflects my commitment to nurturing the skills and growth of aspiring web developers, contributing to the overall educational and professional development of my peers.

SKILLS

Domains: Web Development , UI-UX Design , Prototyping, User Research

Languages and Libraries: HTML, CSS, JavaScript, TypeScript, React, Next.js, Node.js, Git, Tailwind, Rust, MongoDB, Redux, GraphQL, REST
Material-UI, Express, Python, C++, Framer Motion

Tools: Figma, After Effects, Webflow

ACHIEVEMENTS

Finalist, Smart India Hackathon (SIH) 2023 under the Ministry of Housing and Urban Affairs. Showcased problem-solving prowess and innovation in addressing critical challenges faced by government ministries and departments. Acknowledged for collaborative teamwork and dedication to delivering impactful solutions in the domain of housing and urban affairs.

EDUCATION

Thapar Institute of Engineering and Technology, Patiala

Bachelor of Engineering in Electrical Engineering

Sept 2021 - Present