ANSHUL TIWARI

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Experience

Product Engineer

TDK India Private Limited, Bawal, Haryana   *06/2019 -08/2021*

- **Led Engineering Projects for Vivo and Samsung**: Directed engineering teams to uphold stringent standards, ensuring project timelines, quality assurance targets, and operational benchmarks were consistently met.
- **Implemented Automated Inspection Software**: Integrated an AI-powered Final Inspection Automated Software to detect defective batteries on the conveyor belt. This system flagged faulty units for review or recycling, allowing only high-quality batteries to proceed to packaging.
- **Optimized Productivity with Time & Motion Studies**: Conducted in-depth Time & Motion Studies using in-house analytics to streamline associates' tasks, reduce cycle times, and improve overall productivity.

Frontend Developer

Stealth Fintech Startup (DRYP Tech)   *07/2024 - 9/2024*

- **Designed and Developed Fintech Homepage UI from Scratch**: Created a clean, user-friendly interface from the ground up, optimized for Fintech users with an emphasis on intuitive navigation and quick access to key information.
- **Implemented Neuromorphic Design**: Leveraged Tailwind CSS to craft a modern neuromorphic aesthetic UI
- **Applied Atomic Design System**: Built modular, scalable UI components using the Atomic Design system with Tailwind CSS, enabling efficient updates and ensuring consistency across the platform as it grows.
- **Integrated Dark Mode for Enhanced User Experience**: Added a dark mode option, providing a more accessible, customizable interface for users, particularly beneficial in reducing eye strain for those managing financial data extensively.

Relevant Courses

Full Stack Development & Product Engineering, 85.59%

Pesto Tech Fellowship   *04/2023 - 07/2024*

- **Completed an intensive 12-month fellowship** focused on **full-stack development, UI architecture, project management, and responsive web design** with a specialization in the MERN stack (MongoDB, Express.js, React, Node.js).
- **Developed and deployed scalable, user-centric full-stack applications** with a strong emphasis on performance optimization and a seamless user experience.
- **Engaged in collaborative projects with industry professionals,** actively integrating feedback to improve coding standards, adhere to UI/UX best practices, and uphold high-quality code across projects.

Personal Projects

Pulze Website - LINK

Next.js | Prisma | Node.js | MongoDB | Shadcn | Tailwind CSS | AWS | Web RTC

- **Developed a scalable meeting-sharing tool** that enhanced team collaboration through screen recording and note publishing features using NextJs and NodeJS.
- **Implemented comprehensive video functionalities** (creation, editing, annotation, and sharing) **using AWS**, leading to improved communication efficiency.
- **Engineered administrative features**, including workspace creation, user invitations, and notifications, significantly streamlining team management processes using Prisma DB.
- **Utilized Shadcn's design system** and Higher-Order Components (HOCs) to create reusable UI elements, resulting in increased design consistency and improved user satisfaction.

AI Mock Interviewer- LINK

Next JS | ClerkJs | Drizzle ORM | Shadcn |Tailwind Css | PostgreSQL

- **Developed a full-stack AI-driven mock interview application**, that generates real-time questions tailored to candidates' specific tech stacks using **Gemini AI.**
- **Integrated video and microphone recording** functionalities to simulate real-world interview scenarios, fully capturing candidate responses using speech-to-text npm package, webRTC.
- **Designed a user-friendly dashboard** that displays the history of mock interviews for easy review and progress tracking using **NextJs, PostgreSQL**
- **Incorporated ClerkJS** for secure user authentication, providing personalized experiences through session management.

Technical Skills

FrontEnd: React Js, Next Js, React Hooks, CSS, TailwindCss, Redux

Backend: Node Js, Express Js, Rest API

Database: SQL, NoSQL, MongoDB, PostgreSQL, AWS

Languages: Javascript, C, C++

Education

Jaypee University of Engineering and Technology
B.Tech Mechanical Engineering (2014-2018)