

# ANSHUL TIWARI

FULL STACK DEVELOPER

< [PORTFOLIO LINK](#) >

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## Experience

### Frontend Developer

Thema Labs

01/2024 - present

- **Designed and developed Fintech homepage UI from Scratch:** Created a clean, user-friendly Neuromorphic interface from the ground up that was optimized for multiple chains and multi-platform, with an emphasis on intuitive navigation and quick access to token data based on an atomic Design system, implemented with Tailwind CSS and ShadCn custom components.
- **Extended Open Source Tangle SDK:** Implemented an extended version of Tangle Wallet SDK with chakra UI and redux, moving it from a context-based approach to implementing the extension of Dynamic Wallet SDK.
- **Implemented Data Caching Mechanism:** Leveraged React Query with Redux Persist to implement caching to reduce API calls, and data rerendering with hooks mechanism..

### Product Engineer

TDK India Private Limited, Bawal, Haryana

06/2019 -07/2022

- **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.

## Relevant Courses

### Software Development, 85.59%

Pesto Tech Fellowship

04/2023 - 07/2024

- **Completed an intensive 12-month diploma** focused on **software development, full-stack development, UI architecture, project management, and responsive web design**, specializing in the MERN stack (MongoDB, Express.js, React, Node.js).
- **Developed and deployed scalable, user-centric full-stack applications** under the guidance of mentors from Google/Amazon, with a strong emphasis on performance optimization and a seamless user experience.
- **Engaged in collaborative projects with industry professionals on open source**, 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 | TypeScript

- **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 and WebRTC**, improving 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 | TypeScript

- **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, ShadCn, React Query, ether JS, TypeScript  
**Backend:** Node Js, Express Js, Rest API, Python,Golang  
**Database:** SQL, NoSQL, MongoDB, PostgreSQL, AWS, Docker  
**Languages:** TypeScript, JS, C, C++, Python

## Education

Software Development (2023-2024)  
**Pesto Tech Fellowship**  
B.Tech Mechanical Engineering (2014-2018)  
**Jaypee University of Engineering and Technology**