

ANSHUL TIWARI

FULL STACK DEVELOPER

✉ anshul.tiwari1223@gmail.com ☎ +91 7891094019

Experience

Frontend Developer

Thema Labs

01/2024 -present

- Built interactive, real-time data **portfolio dashboards** using **React, TypeScript, and Tailwind**, enabling users to track NAV, APY, asset allocation, and cross-border payment metrics.
- Engineered scroll-based interactive experiences using **Framer Motion** and **Locomotive Scroll**, optimizing onboarding UX for fintech users across devices.
- Built a dynamic **simulation engine** to model NAV and price behavior during black swan events (e.g., COVID crash), supporting **25+ assets in parallel** with **configurable granularity from 5-minute to 1-day intervals**. Implemented backend logic using **Node.js (Fastify)** for scalable data processing.
- Worked on the frontend for the **PDF report + simulation generation system**, integrating **render-blocking detection, async chart loading**, and user-triggered exports for asset performance summaries.
- Used **React Query + Redux Persist** to implement granular **forex data caching** and integrated **Webpack + Babel** for optimized bundling, improving dashboard performance, and reducing **frontend API load** by 46%.
- Engineered a **centralized logging service** and incorporated **CI/CD pipelines in GitHub Actions** across monorepo services (Node + Go), supporting **grouped logging, automated testing**, and consistent deployment flows.
- Developed and **optimized Go-based microservices** for real-time price data aggregation using **Gin and Fiber**, **reducing API latency** by over 40%.
- Contributing to the final phase of the product **whitepaper and technical research documentation**, with a focus on detailing the simulation architecture, asset performance modeling, and system design rationale.

Personal Projects

YouTube Data Dao - Vana Academy - [LINK](#)

React JS | Shadcn | Tailwind Css | VANA | Solidity | Chrome Extensions

- **Built a Vana-based Data DAO focused on YouTube watch history**, enabling users to contribute their data to power AI models for content recommendation, video optimization, and user behavior analysis.
- **Designed a Chrome Extension + UI dashboard** to guide users through exporting their YouTube watch history and submitting it directly to Vana.
- Embedded options for both **manual dataset upload and automated data scraping** via the extension, with **Python-based preprocessing scripts** for cleaning YouTube history before AI model training.

AI Mock Interviewer- [LINK](#)

Next JS | ClerkJS | Drizzle ORM | Shadcn | Tailwind Css | PostgreSQL | TypeScript

- **Built a full-stack AI-driven mock interview application** that generates real-time questions tailored to candidates' specific tech stacks using **Gemini AI**.
- **Incorporated video and microphone recording** functionalities to simulate real-world interview scenarios, fully capturing candidate responses using the 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.

Pulze Website - [LINK](#)

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

- **Designed a scalable meeting-sharing tool** that enhanced team collaboration through screen recording and note publishing features using NextJS and **Python-Django**.
- **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 streamlined team management processes using Prisma DB.
- Built **auxiliary backend services** in **Python-Django** for analytics and background task processing, enabling real-time feedback collection and session archiving.

Technical Skills

FrontEnd: React Js, Next Js, CSS, Tailwind, Redux, ShadCn, React Query, TypeScript, Chakra UI, AntD, Jest, Webpack
Backend: Node.js, Express.js, Go Fiber, Fastify, Django
Database: SQL, NoSQL, MongoDB, PostgreSQL, AWS, Docker
Languages: JS, C++, Go, Python

Certification

B.Tech - Jaypee University Of Engineering And Technology
Advanced Software Development
Pesto Tech Fellowship (2023 - 2024)
FreeCodeCamp UI Certification
Udemy Backend Engineering with Go
Edx HarvardX Introduction to CS (2025)