ANSHUL TIWARI

FULL STACK DEVELOPER

< PORTFOLIO LINK >

✉ anshul.tiwari1223@gmail.com   in www.linkedin.com/in/tiwari-anshul12/   ⊙ github.com/anshultiwari95   ☎ +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 | VRC20

- **Built a Vana-based Data DAO focused on YouTube watch history,** enabling users to contribute their data on the Vana chain 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 to earn rewards in VRC20 tokens.
- 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 and Vana proof generation.

HackaRag- Hackathon Idea Evaluator - **LINK**

Python | Streamlit | FAISS | LangGraph|Docker | SQLite | Pandas

- **Engineered a LangGraph-based** multi-agent pipeline implementing **12 quantitative evaluation metrics** (novelty, scalability, technical feasibility, UX value).
- **Implemented FAISS vector** search with event, sponsor, and bounty-level filtering for high-accuracy semantic matching.
- **Developed a real-time evaluation dashboard** in Streamlit with streaming LLM feedback and structured scoring reports.
- **Architected a SQLite + JSON ingestion system** to persist vectorized bounty datasets and enable multi-hackathon scalability.
- **Containerized via Docker** and optimized for **Fluence** decentralized compute to ensure censorship-resistant deployments.

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, Solidity

Web3: Hardhat, ether js, Tenderly

Certification & Education

B.Tech - Jaypee University of Engineering And Technology

Pesto Tech Fellowship (2023 - 2024)

FreeCodeCamp UI Certification

Ethereum Bootcamp by Alchemy University

Edx HarvardX Introduction to CS (2025)

Blockchain Basics by Cyfrin Updraft

OCI AI Foundations by Oracle University