NEEL CHETNA

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EXPERIENCE

Quantive — Sofia, Bulgaria (Remote)
Software Engineer — Jun 2022 - Nov 2024

- Built the MVP of **Athena**, an LLM-powered knowledge platform that let users retrieve organizational information through natural-language queries using plugin-based data integrations.
- Contributed to the development of a new analytics dashboard with rich charts, metrics, and interactive drawers to help customers understand product performance
- Led the Internal Tools team, building two AI-driven platforms: a secure ChatGPT-style assistant and a customer health insights dashboard used by internal teams to retirve customer data **40 to 60% faster**.
- Integrated WebSocket-based streaming into the Angular front end, enabling asynchronous AI interactions and real-time loading feedback across the product.
- Worked on **Strategy AI**, a system that generated OKRs, goals, and strategic plans from documents or prompts, working closely with the company's Principal Software Architect.

Cliff.ai — Indore, India
Junior Software Engineer — Mar 2022 – Jun 2022

- Core contributor in a full-scale product revamp, significantly reducing technical debt and standardizing the technology stack across the platform.
- Reduced initial application load time by **approximately 80%** through performance optimizations including code-splitting and bundle restructuring.
- Implemented infinite scrolling for a data heavy timeline view, **reducing load time to one-third** and improving overall user experience.

Cliff.ai (moderndatastack.xyz) — Indore, India
Software Engineering Intern — Dec 2021 – Mar 2022

- Migrated the platform backend from GraphCMS to **MongoDB** with an Express API, redesigning data models to support user accounts and platform growth.
- Built a community forum feature enabling Reddit-style discussions with a rich-text posting experience.

SKILLS

- **Programming Languages:** TypeScript/JavaScript, Python, Go
- **Front-End:** React, Angular, Svelte, React Native, Redux, Zustand, Context API, Tailwind CSS, Bootstrap
- **Back-End & Services:** Node.js, Express.js, FastAPI, gRPC, Kafka, Echo, Asynq
- **Databases & ORMs:** SQL, PostgreSQL, MongoDB, Redis, ClickHouse, Snowflake, Mongoose, GORM
- **Testing:** Jest, Playwright, Pytest, Go `testing` framework
- **DevOps & Tools:** Docker, Kubernetes, Git

PROJECTS

AI-Driven Visual Knowledge Mapping Tool
Project Link: `https://github.com/neilchetna/mind-mapper` — Sep 2025 - Ongoing

- Designed and implemented an event-driven architecture using **Go, Asynq, Redis, and WebSockets** to support non-blocking AI workflows and real-time UI updates.
- Built a scalable **background processing system for LLM-powered graph generation**, decoupling AI computation from user interactions.
- Architected a dedicated **WebSocket** service to deliver real-time task signals and lay the foundation for collaborative, **Figma-style canvas features**.

AI-Driven Dynamic UI Generator
Project Link: `https://github.com/neilchetna/dynamic-ui` — Dec 2024

- Built an MVP that automatically generates **React + Tailwind UIs from raw JSON**, reducing UI prototyping time by 70–80% for data-heavy interfaces.
- Designed a schema inference pipeline for nested objects, arrays, optional fields, and unions, enabling consistent and deterministic UI generation across arbitrary datasets.

EDUCATION

Acropolis Institute of Technology and Research, Indore, India — Jun 2018 — Jun 2022
Bachelor of Technology (Computer Science)