

# Neetigya Chahar

Senior Software Engineer, Tata Digital | Tata Neu

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 [GitHub](#)  
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 [Dev.to](#)

## Summary

Senior Software Engineer with 3.5 years of experience, expertise in frontend architecture, React ecosystems, and full-stack development, delivering high-performance web platforms and AI-driven solutions at Tata Digital.

## Education

Vellore Institute of Technology, Vellore (VIT)	2018-2022
Computer Science	Bachelor of Technology (B.Tech)

## Skills

JavaScript, **TypeScript**, **React**, React Native, **Flutter**, React Router, **Next.js**, Tailwind, TanStack, **Redux**, React Relay, **Sanity CMS**, **GraphQL**, Vite, **Bun**, Node.js, **SSR**, **Module Federation**, FE Architecture, **Spring Boot**, Ktor, Postgres, **DSA**, Akamai.

## Experience

<b>Tata Digital   Tata Neu</b> 🌐	July 2022 - Present
Senior Software Engineer	Bangalore, India

- **Core Web Team (Feb 2025 to Present)**
  - Built the cores of the performant [tataneu.com](#) web platform which integrates complex **Sanity CMS** driven data & UI config, replacing old site, SEO through SSR, build **<4MB**, **<1s** page load, **25k+** per day visits. The tech stack includes **Turborepo**, **React Router**, **Bun**, **Hono**, **Vite**, **Shadcn**, **Tanstack Query**. Led team to improve the platform.
  - Solely worked with the architect under CTO guidance to R&D on frontend tech stacks. Independently executed PoCs for **universal React apps** with shared logic code across **React** & **React Native**, micro-frontend architecture with **SSR** using **module federation** in **Rspack**, and framework selection, ultimately adopting **Bun** & **React Router**.
  - Collaborated on-site with the **Croma** development team in Kolkata for KT sessions covering frontend architecture, backend microservices, and end-to-end business flows, supporting the absorption of the Croma shopping experience into Tata Digital. Tech stack includes **React** with SSR, **Spring Boot**, **Azure apps**, and **Akamai** network configurations.
  - Contributed to the development of business-critical marketing pages backing pre-festive marketing investments, which drove GMV in crores post launch. Tech stack includes **Next.js**, **styled-components**, and **MobX**.
  - Developed and integrated backend **workflows** to consolidate API calls for efficient data fetching and optimised page rendering across **electronics shopping user journeys** leading to faster page loads.
  - **AI** adoption PoCs with architects, evaluating **Figma-to-code** workflows, **CMS** migration, **GHCP** custom code knowledge bases & PR review, and analysing editors such as **Cursor**, **VS Code**, & **Windsurf** for enterprise adoption.
- **Tata NeuSkills (July 2022 to Jan 2025)**
  - Worked in a lean, independent, **startup-like** team within Tata Digital for premium, placement-backed skill bootcamps **EdTech** platform. Built the [tataneuskills.com](#) site in **Flutter Web** as a pilot to test it along with the website launch.
  - Quickly migrated the site to **Next.js** with **Sanity CMS** driven pages, significantly increasing speed & enabling **SEO**. Gradually added features like **SSO based login**, masterclasses, blogs, profile, ongoing course, survey, marketing and certification pages, complex **offers & payments module**, etc. without availability of a tech lead, **owning the project**.
  - For **RBAC** admin dashboard, built pages to manage leads, users, teaching assistant, insights, a lean **CRM tool**, etc. in **Flutter**. Developed **APIs** in **Kotlin/Ktor** to issue course certificates, record survey, sync CMS, **TSSS webhook**, etc.
  - Built an in-browser **PostgreSQL** playground using **PGLite**, eliminating large licensing and server costs. Did **SIDH** and **Skill India** platform integrations. PoC on **LMS**. Developed **React course**, took **classes** and team hiring **interviews**.
- **Software Engineering Intern (Jan 2022 to July 2022)**
  - Practically led and built the experiential [tatadigital.in](#) website from scratch with a team of interns. The website represents Tata Digital. Tech stack includes **Next.js**, **Sanity CMS**, [motion.dev](#), **Chakra UI**, **Typesense**, etc.

<b>Appointy</b> 🌐	May 2021 - Dec 2021
Software Engineering Intern	Bhopal, India

- Contributed in building a custom appointment booking flow in the product, with a top tech giant as its customer. Introduced & intensively contributed to **web accessibility**. Enhanced the product for **responsiveness** and dark mode support. Tech stack includes **React**, **GraphQL**, **React Relay**, **Material UI**, **Storybook**, etc.

## Projects

**ShopSage** 🌐

**AI** live call based **shopping experience** with natural speech. Built with **OpenAI Realtime** agent, and **agentic tools** integration along with **vector search** in **MongoDB**. [Demo](#)

**GenQL** 🌐

Generate **SQL** query from a prompt. The **RAG architecture** supports large custom database schema input and lists **vector search** accuracy rate. Tech includes **Pinecone DB**, **OpenAI**, **Firebase functions** in **Python**, and **Monaco** code editor. [Demo](#)

**PSQLab** 🌐

Built a browser-based PostgreSQL playground using **React**, **TypeScript**, and **pglite (WASM)**, featuring a **notebook-style interface** with **IndexedDB** persistence and **intelligent SQL autocomplete**. [Demo](#)

## Publications

Vehicle Accident Detection & Alert System using IoT and Artificial Intelligence	2021
IEEE	
<a href="https://ieeexplore.ieee.org/document/9544940">https://ieeexplore.ieee.org/document/9544940</a>	

## Languages

English	Hindi
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