

Ankit Sharma

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EXPERIENCE

Software Developer Intern

April 2024 – Present

YMGrad

New Delhi, Delhi

- Worked on migration of the website from **React.js** to **Next.js**, optimizing performance and reducing load times by 30%.
- Implemented **Redux for state management**, debugging and resolving authentication issues, improving reliability and user experience.
- Redesigned UI components and pages using React, **Tailwind CSS**, and **Bootstrap** to improve usability and responsiveness.
- Developed **RESTful APIs using Express** to handle backend operations, enhancing data retrieval and performance.
- Utilized **Prisma ORM** for database interactions, improving query efficiency and ensuring seamless data management.

EDUCATION

Indira Gandhi National Open University

Maidan Garhi, New Delhi

Master of Computer Applications

July. 2022 – July 2024

ARSD College, Delhi University

Dhaura Kuan, New Delhi

BSc (Hons) Physics

Aug. 2018 – July 2021

PROJECTS

ChatIO | Next.js, Node.js, Socket.IO, Redis, PostgreSQL, Prisma, Typescript, Express, Tailwind, Vercel

[Code](#)

- Developed a **scalable real-time chat application** using **Socket.IO** for real-time, bidirectional communication between clients and servers, enabling live chat functionality.
- Leveraged **Redis** as a Socket.IO adapter for **horizontal scaling**, reducing server response times by 30% and ensuring efficient real-time communication across multiple server instances.
- Implemented **Prisma ORM** for type-safe database interactions, optimizing queries and data access in a scalable, cloud-based NeonDB environment.
- Designed and **validated schemas using Zod**, reducing data validation errors by 25% and ensuring reliable and consistent data throughout the application.
- Built with **TypeScript and Express.js**, creating a robust and maintainable backend with **type-safe APIs** and minimal runtime errors.
- Built responsive UI components using **Tailwind CSS and shadcn**, ensuring a clean and consistent design across multiple screen sizes and improving user experience.
- Utilized **Next.js for server-side rendering** and API routes, improving performance and **SEO** for the chat application.

uTube-backend | Express.js, Node.js, MongoDB, JWT, Typescript, Multer, Cloudinary

[Code](#)

- Developed a complete **video hosting platform** backend, implementing key features like user registration, login, video upload, like/dislike, comments, replies, subscriptions.
- Accomplished **pagination** using mongoose to optimize data retrieval and reduce load times for large datasets.
- Handled **file uploads with Multer and Cloudinary**, enabling efficient video storage and media management in the cloud.
- Designed and implemented **middleware** for tasks like authentication, error handling, and request validation, following best practices for a modular and secure backend.
- Implemented **token-based authentication using JWT**, ensuring secure access control for user sessions and API endpoints.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Node.js, HTML/CSS, C++

Frameworks: Next.js, Express.js, Tailwind CSS, shadcn, Bootstrap, Material-UI

Libraries: React.js, Socket.IO, Redux

Other skills: SQL (PostgreSQL), MongoDB, Prisma, Mongoose, Axios, React Query, Cloudinary, Vercel, Supabase, Git