

ABHINANDAN

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Experience

NextUI, Y Combinator S24 start-up (Open-source Contributor)

June 2024 – Aug 2024

- Achieved a [personal offer from the CEO](#) to join NextUI after making good number of [significant contributions](#).
- Enhanced **Developer Adoption & Product Reach**: Delivered 7+ feature enhancements that significantly improved component flexibility and extensibility.
- User Experience Enhancement**: Resolved 10+ bugs in essential components like Calendar and Pagination, leading to directly improving the product's stability and usability.

SkilledUp, Noida (SWE Intern)

April 2024 - June 2022

- Worked to build the landing page and course page.
- Tech Stack – Next.js,

Project Work

• Aarogya [GitHub](#) [Low Level Design and Documentation](#)

- Designed and implemented an **Asynchronous Appointment Scheduling System** using **BullMQ** and **Redis**.
- Architected a **microservices-based scalable backend** with PostgreSQL, Neon Database and Prisma, ensuring real-time data accuracy and operational insights for hospital administrators.
- Integrated **Twilio** to automate **SMS and WhatsApp notifications**, leading to **decrease in missed appointments** by keeping patients informed of booking details and status updates.

• Modern UI Applications: [Convo](#) [Unibui](#) [Travelog](#) [SaaSy](#)

- Increased **Engagement & Performance Gains**: Implemented Lottie-web, Framer Motion, and Swiper, boosting user interaction by **60%**, driving higher conversion rates. Enhanced content delivery using **Lodash** and **HLS.js**, reducing video load times by **30%**.
- Scalability & Speed**: Built **SEO-optimized** pages with **Next.js** and **TypeScript**, cutting load times by **25%** using static generation and **lazy loading & caching**.
- Integrated **Tailwind CSS, Next.js, JavaScript** as the primary tool for developing the application prototype

• Image_Processor [GitHub](#) [API Documentation](#) [Low Level Design](#)

- Implemented a high-performance **Asynchronous Image Processing Pipeline** which can handle
- Architected a robust system using **Node.js, Express.js & MongoDB** ensuring **99.9% uptime** with **Error-handling mechanisms**.
- Reduced image storage costs by 50% by implementing real-time **image compression** using **Sharp**, integrating with **Cloudinary** for scalable storage. Optimized CSV data processing, achieving a 70% improvement in processing speed through **concurrent workers and parallel execution**.

• Finance : A robust SaaS platform optimizing financial management for Banking & online transactions system.

- Scalable Performance**: Engineered a system capable of, with a modern, intuitive UI/UX that boosted user satisfaction by **20%**.
- Tech Stack**: **Next.js, PostgreSQL, Hono.js, Drizzle, Recharts.js, Clerk Authentication, Neon Database, Tailwind CSS**.

Skills

Languages: TypeScript, HTML, CSS, SQL, Python, C, C++, MDX, Kotlin

Technologies & Tools: RESTful API, GraphQL, WebSocket's, HTTP, Docker, Kubernetes Git & GitHub, BullMQ, Redis, Kafka

- Front-end** - **Next.js**, React.js, Tailwind CSS, Framer Motion, Three.js, Storybook.js, Jest, Figma
- Backend** - Next.js, Node.js, Express.js, Prisma, Drizzle, Hono.js,
- Databases** - **PostgreSQL**, MongoDB
- Cloud Services** - Vercel, Netlify
- Authentication Services** – Clerk.com, Auth.js/NextAuth

Computer Science Fundamentals - Data Structures and Algorithms, Operating Systems

Education

JSS Academy of Technical Education, Noida (Computer Science and Engineering, CGPA-8.77)

Nov 2022 – Present

Dujana Public School, Noida (12th, **95.6%**)

July 2020 – May 2022

Nav Uday Public School (10th, **93.6%**)

July 2018 – May 2020

Awards & Achievements

- [Reliance Foundation Scholar](#)
- [HDFC Badhate Kadam Scholar](#)
- [IYMC – Gold Honour](#)
- 5 times National Defence Academy Exam Qualified