

Nanak Gupta

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EDUCATION

Noida Institute of Engineering and Technology

B.Tech in Information Technology - CGPA- 8.43/10

Gr. Noida, UP

Nov. 2022 - June 2026

EXPERIENCE

Josh Technology Group

Aug 2025 – Present

Associate Software Developer Intern

Onsite

- Gained hands-on exposure to React.js, Redux, REST APIs, and feature-based frontend architecture while working on a large-scale LMS/ERP platform.
- Built reusable UI components, integrated RESTful APIs, and optimized frontend performance through lazy loading, code splitting, caching, and efficient loading states.
- Implemented Redux Toolkit for state management and applied debouncing/throttling techniques to optimize API interactions and enhance application responsiveness.

Zidio Development

Jan 2025 – March 2025

Software Developer Intern

Remote

- Architected and built the Task Manager App, a full-stack MERN solution with a responsive, card-based UI for creating, editing, filtering, and tracking tasks.
- Set up secure OAuth authentication (Google) and JWT session management in Express, persisting user profiles and permissions in MongoDB via Mongoose.
- Integrated Cloudinary for seamless image uploads on tasks, plus Redux for global state. Designed MongoDB schemas with Mongoose to model users, tasks, and metadata ensuring fast, reliable queries and data validation
- Built reusable and scalable UI components and implemented lazy loading and code splitting to enhance frontend performance and reduce load time.

PROJECTS

SyncDocs | Go, Next.js, PostgreSQL, Redis, Yjs, Docker

[GitHub](#)

- Built a **real-time collaborative document editor** using Go microservices and Next.js with conflict-free synchronization powered by **Yjs CRDTs**.
- Implemented a dedicated **WebSocket synchronization service** supporting collaborative editing, user presence, awareness, and scalable room-based communication.
- Integrated **Redis Pub/Sub** and PostgreSQL to broadcast document updates across services while persisting incremental changes and replaying document state for newly joined collaborators.
- Designed a secure document-sharing system with JWT authentication, role-based access control, and containerized the complete architecture using Docker Compose for consistent deployment.

WebDock - Container Based Deployment Platform | Docker, AWS ECS Fargate, ECR, S3, Express.js [GitHub](#)

- Developed a Vercel-inspired deployment platform automating application builds, containerization, and cloud deployments.
- Implemented a Docker-based CI/CD pipeline using Git, Amazon ECR, and AWS ECS Fargate for automated container deployments.
- Integrated Amazon S3 and IAM to enable secure artifact storage and cloud resource management.

Whisper - The Chat App | React, Zustand, Tailwindcss, MongoDB, JWT, Socket.io

[GitHub](#)

- Developed a real-time chat application with instant messaging, typing indicators, and presence updates using Socket.io.
- Implemented secure user authentication with JWT and managed global state efficiently using Zustand.
- Designed and managed MongoDB schemas to efficiently store and retrieve user messages and chat history.

TECHNICAL SKILLS AND INTERESTS

Languages: JavaScript, Java, Golang, Python, SQL

Frontend: React.js, Next.js, Redux Toolkit, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs

Cloud & DevOps: Docker, AWS (ECS, ECR, S3, IAM), Linux

Databases: MongoDB, MySQL, PostgreSQL

Tools: Git, GitHub, VS Code, IntelliJ IDEA

ACHIEVEMENTS & CERTIFICATIONS

- Received the TFW (Tuition Fee Waiver) Scholarship.
- Solved 250+ algorithmic problems on Leetcode and GeeksforGeeks
- **Core Java Certification** from Internshala
- **ReactJS Certification** from Infosys Springboard