

DAKSH GUPTA

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EDUCATION

Maharaja Surajmal Institute of Technology

Bachelor of Technology in Computer Science

Janakpuri, New Delhi

Aug. 2024 – May 2028

Smt. Misri Devi Gyan Niketan

Class XII – 93% | Class X – 93%

Najafgarh, New Delhi

2022 – 2024

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, HTML5, CSS3

Frontend: React.js, Next.js, Tailwind CSS, Framer Motion, Redux, Zustand, React Query

Backend: Node.js, Express.js, REST API Design, Rate Limiting, JWT, NextAuth.js, Nodemailer

Databases: MongoDB (Mongoose ODM), PostgreSQL

Developer Tools: Git, GitHub, Docker (basics), Vercel, Render, Postman, VS Code

Core Concepts: Responsive Design, Authentication & Authorization, Performance Optimization, State Management, API Integration, Component Architecture

PROJECTS

NovaCart AI | *React.js, Node.js, Express.js, MongoDB, Mongoose, Nodemailer, Tailwind CSS* | [GitHub](#) | [Live](#)

- Engineered a full-stack AI-powered e-commerce platform with **33 REST API endpoints** across **8 domain models** (User, Product, Cart, Wishlist, Payment, Order, AI Response, History) supporting end-to-end purchase flows.
- Built **30+ reusable React components** with dynamic routing and optimized state management via Redux, achieving **92/100 Best Practices** and **79/100 Accessibility** Lighthouse scores on production.
- Implemented AI-driven product recommendation engine using OpenAI API, improving discovery UX across **190+ seeded product listings** with computed response storage to avoid redundant API calls.
- Engineered a seller access request workflow with role-based authorization — users request seller status, admin receives real-time email notifications via Nodemailer, and approved sellers can list products.
- Integrated Express.js rate limiter middleware across all 33 endpoints and JWT-based authentication; diagnosed low Lighthouse Performance score to Render free-tier cold starts, actively resolving via image optimization.

StreamVerse | *Next.js, Framer Motion, Tailwind CSS, TMDB API* | [GitHub](#) | [Live](#)

- Built a responsive streaming discovery platform in Next.js with **14 optimized Next.js components**, SSR, and dynamic routing integrating TMDB REST API for real-time trending content and media browsing.
- Achieved **100/100 SEO**, **96/100 Best Practices**, and **94/100 Accessibility** Lighthouse scores on production — demonstrating strong frontend performance engineering fundamentals.
- Designed scalable frontend architecture with reusable UI components across all API responses, and smooth page transitions via Framer Motion.
- Integrated real-time trailer playback, search filtering, and genre-based browsing with client-side state management for instant UI updates without full-page reloads.

ACHIEVEMENTS & OPEN SOURCE

- Secured **4th place** in the Delhi University Competitive Programming Competition (Cluster of Innovation Center).
- Solved **420+ Data Structures & Algorithms** problems on LeetCode, covering arrays, trees, graphs, and dynamic programming.
- Open Source Contributor — merged pull request on a public GitHub repository (keploy); actively exploring further OSS contribution.
- Participated in multiple university-level hackathons and ideathons, building functional prototypes under time-constrained environments.

CURRENTLY BUILDING / LEARNING

Redis caching & pub/sub patterns · Docker Compose multi-container setups · Cloud deployment (AWS EC2 / S3) · Unit & integration testing with Jest and Supertest