

# Nikhil Saxena

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[LinkedIn](#)

[Portfolio](#)

## Education

7253070083

KIET Group of Institutions

November 2022 – Present

Bachelor of Technology in Computer Science

G.P.A 8.92

St. Paul's School

March 2021

G.P.A 9.02

## Projects

Intermediate

iView | MERN Stack, Cloudinary, TailwindCSS, Firebase, Socket.io

June 2024 - Present

- Spearheaded the development of a full-stack application that transformed the online interview process, introducing 5+ advanced features; increased user satisfaction scores by 40% and reduced interview scheduling time by 50%.
- Implemented Cloudinary for streamlined storage and management of user profile pictures and resumes; enhanced file handling operations, achieving a 30% reduction in upload times and enabling quicker user onboarding processes
- Integrating ZegoCloud for video conferencing and real-time communication, enabling seamless interaction between 100+ interviewers and candidates.
- Engineered CORS settings to optimize communication pathways between front-end and back-end services, significantly enhancing application performance; achieved a 30% decrease in API call failures and improved response times for 5,000+ users.

DevIDE | Vite, MERN Stack, Docker, Socket.io | Github

June 2024 - September 2024

- Developed a cloud-based IDE using Vite for the frontend and the MERN stack (MongoDB, Express.js, React, Node.js) for the backend, providing a modern, interactive development environment accessible from anywhere.. Containerized the application with Docker, ensuring consistent development, testing, and deployment environments. Enabled scalable and portable deployment of both frontend and backend services.
- Integrated real-time features using WebSockets and Dockerized services, facilitating seamless collaboration and interaction within the IDE, significantly enhancing user productivity.
- Optimized development workflow by combining Vite's fast build and hot-reload capabilities with Docker's isolation, streamlining setup and reducing development and deployment time.

ImaGenie | MERN Stack, Limewire API, TailwindCSS | Github

May 2024 - June 2024

- Integrated the Limewire API for advanced image creation capabilities, allowing users to generate images from text prompts with 10+ customization options.
- Managed state and asynchronous API calls in React, employing hooks and context to optimize data handling, resulting in a 50% improvement in user interaction speed.
- Architected an innovative solution for handling state and asynchronous API requests in React, integrating hooks and context to optimize data management and user experience; tool is now utilized by 15+ developers for improved workflow efficiency
- Configured Cross-Origin Resource Sharing (CORS) policies to facilitate effective communication between front-end and back-end services, enhancing user experience.

## Technical Skills

Data Structures and Algorithms, Object Oriented Programming, RESTful APIs, Docker

Languages: C/C++, Javascript, Java, Typescript

Frameworks: ReactJS, ExpressJS, TailwindCSS, NodeJS

Developer Tools: Github, VS Code, Vite, Vercel, PostmanAPI, Cloudinary, Canva

Database: MongoDB, Firebase

## Achievements

Competitive Programming

December 2023 - Present

- Achieved a 3-star rating (1605) on CodeChef, demonstrating strong competitive programming skills.
- Achieved proficiency by solving over 300 problems across various platforms: 50+ on LeetCode, 100+ on CodeChef, and 150+ on Codeforces, showcasing a deep understanding of algorithms.

## Extracurricular

Blog on Implementing Phone Authentication Medium

July 2024

- \* Authored a detailed blog post on the implementation of Firebase phone number authentication in a Vite React application, addressing 5 common challenges and providing 10+ step-by-step solutions.
- \* Developed a valuable resource for over 500 developers facing similar issues, contributing to the community by sharing practical insights and troubleshooting tips that received positive feedback and engagement.