

NIKHIL KUMAR

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[PORTFOLIO](#) | [LINKEDIN](#)

Education

University Institute of Engineering and Technology, India

- Computer Science & Engineering | *Aggregate: 60%*

2020 - 2024

Kanpur, India

Gagan Public School, India

- *CBSE (Class XII), Aggregate: 73%*

2019 - 2020

Aligarh, India

Skills

Proficient in C++, Javascript, MERN Development.

Familiar with C, Java, HTML, CSS, NodeJS, ExpressJs, React, MongoDB, UI/UX Design, MySQL, Git, Cloud Computing, GraphQL, Prisma ORM, PostgreSQL, Typescript, Next.js, AWS, Redis

Projects

Ecommerce Store - Fullstack

May'15

A Web Ecommerce Store built on **ReactJs** Using **MERN** technology and **Strapi**.

- This application allows choosing a product and adding to cart, Search product functionality and payment processing using Strapi. [Github](#)

Twitter Clone - Full Stack

May'23

A Web application built on **Next.js**, **GraphQL**, **PostgreSQL**, **Typescript**, **Prisma ORM**, **Amazon Web Services**, **Redis**.

- Recreated functions of Twitter using Typescript as the primary frontend language and NodeJS for the backend. Used Redis to cache data such that subsequent requests get faster response as the scale grows.
- For the frontend I used NextJS for server-side rendering, CodeGen for GraphQL queries/mutations, and hosted on AWS.
- For the backend I used GraphQL for the server and API, PostgreSQL for the database, Supabase for hosting.
- For storage and hosting, I used Amazon S3 and AWS EC2. Google OAuth. [Live](#) - [Github](#) - [Architecture](#)

Youtube Clone - Backend

May'23

A Web application built on **Node.js**, **Express.js**, **MongoDB**, **Cloudinary(Third Party Service)**, **MongoDB aggregation pipeline**.

- Designed and implemented MongoDB data models to store and retrieve video metadata, user information, and other relevant data. Integrated Cloudinary for efficient management of media assets, video uploads and optimizations.
- Developed complex MongoDB aggregation pipelines to perform advanced data manipulations, analytics, and generate insightful reports.
- Developed RESTful APIs to support various frontend features, ensuring a smooth and responsive user experience.
- Implemented robust error handling mechanisms to identify and address issues promptly, ensuring a reliable user experience. [Github](#).

Achievements and Certificates

- GFG Cloud BootCamp Sponsored By **Google**, Aug'23 - Oct'23. [View](#)
- AIR : 2228 in Codekaze - Sep'23 Round 2 Naukri Engineers Week. [View](#)
- Global rank 349 in CN Studio Weekend Contest 94.

Profile Links

- [Github](#), [Leetcode](#), [GFG](#)

Course work,Hobby

Course-Works: Data Structure And Algorithms, OOP'S, Operating Systems, Computer Network, DBMS, Compiler Design, Software Engineering.

Hobby: Chess, ESports.

Soft Skills: Teamwork, Guide, Creative Thinking.