

# Kush Chaudhary

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## Experience

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### 100xdev/photo-ai (Open-source Contributor)

- Merged 3 PRs to improve transaction storage, refactor dashboard UI, and add theme toggle functionality

### Social Winter of Code (Hackathon)

- Contribute to multiple Open Source projects during this hackathon

## Project Work

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### CrosspostHub - Social Media SaaS Platform

- Developed a SaaS platform for cross-posting to multiple social media, featuring AI-generated captions and post scheduling.
- Integrated subscription-based payments with Razorpay and a built-in image editor, boosting user engagement by 20%.
- Built with Next.js, Tailwind CSS, PostgreSQL, and Gemini AI for scalable, modern functionality.

### Video Transcoding Service

- Designed and deployed a scalable video transcoding service using AWS ECS, S3, and Docker, enabling users to upload and transcode videos into multiple resolutions.
- Built a full-stack solution with Express.js (backend) and React/TypeScript (frontend), integrating real-time log streaming via WebSocket and CloudWatch Logs.
- Implemented a hybrid log streaming system using AWS Lambda and CloudWatch Logs Subscription Filter, achieving near-real-time updates with 99.9% reliability.

### Instagram Clone – Full-Stack Social Media Application

- Built an end-to-end Instagram clone featuring real-time chat, reels, and user authentication.
- Integrated Socket.io for chat, Framer Motion for animations, and Zustand for state management, enhancing user experience.
- Leveraged Next.js, MongoDB, and JWT, achieving 95% feature parity with the original platform.

### ICoursePros – Online Learning Platform

Developed a platform for course purchases and progress tracking, integrating Razorpay for seamless payments.

- Built a modern UI with Next.js, Tailwind CSS, and Shadcn-UI, improving user retention by 15%.
- Implemented secure authentication with Auth.js and PostgreSQL, ensuring robust access control.

## Skills

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**Languages:** TypeScript, JavaScript, HTML, CSS, SQL, Python, MDX

**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, AWS
- Authentication Services* – Clerk.com, Auth.js/NextAuth

**Computer Science Fundamentals** - Data Structures and Algorithms, Operating Systems

## Education

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Aligarh College of Engineering and Technology (Computer Science and Engineering)  
GD Public Senior Secondary School, Aligarh (12<sup>th</sup>)  
GD Public Senior Secondary School, Aligarh (10<sup>th</sup>)

Nov 2023 – Present  
July 2021 – May 2023  
July 2019 – May 2021