

# Kartikey Katyal

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## EDUCATION

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**J.C. Bose University of Science and Technology, YMCA**

*B.Tech in Computer Engineering*

Faridabad, Haryana

2021 – 2025

## EXPERIENCE

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### Full Stack Intern

July 2025 – Present

*A2 Developers*

*Remote*

- Developed 5+ scalable REST APIs using Node.js and MySQL for a comprehensive School Management System.
- Built and deployed robust Homework, Attendance, and Employee modules, supporting over 5000 active users.
- Enabled bulk data insertion into MySQL via Excel uploads, reducing manual data entry time by over 70%.
- Integrated Razorpay for seamless online fee payments, processing 100+ transactions daily with real-time confirmations.
- Implemented secure user authentication and role-based access control, enhancing system security by 40%.

### Tech Analyst Intern

Jan 2025 – June 2025

*SkyJumper Trampoline Park*

*Faridabad*

- Designed and implemented Testimonial, Booking, and Payment modules using modern web technologies, increasing user retention by an estimated 70%.
- Developed a custom POS system that successfully integrated with CRM and other business software, streamlining operations for 3+ departments.
- Contributed to marketing outreach initiatives on-site and via social media, leading to a 25% increase in group package sales and seasonal deals.

## PROJECTS

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### MediMeet *Next.js, TypeScript, PostgreSQL, Drizzle, Stripe, Tailwind CSS*

- Developed a full-stack appointment management platform for virtual consultations, handling over 100 daily bookings.
- Integrated Stripe for credit-based bookings with automated credit handling, resulting in 95% successful payment processing.
- Utilized Drizzle ORM with PostgreSQL to design robust data models, optimizing query performance by 30%.
- Implemented Inngest for asynchronous task management, reducing API response times by 20%.

### Splitr *Next.js, TypeScript, Convex, Clerk, Tailwind CSS, OpenAI, Inngest, Resend*

- Engineered an expense splitting application with smart settlement algorithms, accurately settling 99% of expenses.
- Implemented real-time expense suggestions via OpenAI, enhancing user convenience and adoption.
- Created dynamic dashboards with shadcn/ui and real-time updates using Convex, improving user engagement by 15%.
- Integrated Inngest for efficient background jobs and Celery/Redis for robust asynchronous processing.

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL, JavaScript, HTML/CSS

**Front-End:** React, Next.js, Tailwind CSS, shadcn/ui

**Back-End:** Node.js, Express.js, FastAPI, REST APIs, Authentication (Clerk, Auth.js)

**Databases & ORMs:** PostgreSQL, MongoDB, MySQL, Prisma ORM, Convex

**Cloud DevOps:** AWS (S3,EC2,ECS), Docker, Git, Vercel, Modal

**Tools & Concepts:** Redis, Celery, Inngest, Stripe API, Razorpay API, OpenAI API

## ACHIEVEMENTS

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Ranked in the top 0.4% among 1M+ candidates in JEE MAINS 2021.

Among the top 0.5% of coders on Code360.

Solved 500+ problems on Data Structures Algorithms on Code360 and TUF+.