

# Suraj Kumar Singh

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## EDUCATION

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**Bharat Institute of Technology - AKTU**  
*Bachelor of Technology- Information Technology*  
**Holy Cross School - CBSE**  
*12th- Mathematics*

**Meerut, Uttar Pradesh**  
*July 2018 - June 2022*  
**Bokaro Steel City, Jharkhand**  
*May 2016 - April 2017*

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript (Node.js), Java, TypeScript, Next.js, MySQL, MongoDB, PHP, C++  
**Libraries and Tools:** Express.js, Passport.js, Vercel, Shadcn, AWS serverless, Redis, Git

## WORK EXPERIENCE

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### Software Engineer

*Think Exam, Noida, India*

*April 2022 - Present*

- **Improved customer experience** by implementing new features and RESTful APIs for the flagship assessment platform **Think Exam**, contributing to user engagement and platform reliability in a collaborative Agile environment.
- **Engineered a secure, scalable On-Screen Marking (OSM) System** to digitize the evaluation of paper-based exams, automating script distribution, capturing examiner annotations, and ensuring transparent, accurate mark entry. Achieving 3,00,000 evaluation in a month.
- **Integrated Razorpay Payment Gateway** to enable secure and seamless online payments for course purchases, improving transaction success rates and enhancing user convenience.
- **Integrated SendGrid with Queues** to streamline email notifications (e.g., password resets, candidate registration), achieving up to 50% faster delivery times.
- **Developed a system to verify students' identities** using **Aadhaar Authentication** before examinations, ensuring secure and authenticated access.
- **Optimized database queries**, reducing page load times by **30%** and significantly improving overall application responsiveness.

## PROJECTS

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- **Lecture Hall Booking System, IIT Kanpur Civil Engineering Department**, Designed a lecture hall booking system featuring separate admin and user panels for effective management of bookings. Enabled admins to add lecture halls, manage user accounts, and approve/cancel booking requests, including automated email confirmations.
- **Chat Application**, Developed a real-time chat application with features including user registration, secure login, online status tracking, seamless messaging, and user search. Planned future implementation of email verification and forgot password functionalities using email OTP for enhanced user convenience. [Try it!](#)
- **Pitter – Social Media Web App** – Developed a full-stack social media platform using Next.js, ShadCN, and PostgreSQL. Enabled users to post photos (stored on AWS S3 cloud service), follow others, like and comment on posts, and view real-time activity updates in a dedicated notifications section. Integrated responsive light/dark mode UI for enhanced user experience. [Try it!](#)

## EXTRACURRICULAR ACTIVITIES

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- **Core Member, Web Development Team** in college and contributed to building internal tools and event websites; mentored juniors on frontend/backend development. -