

# Vikrant Kumar

Full Stack Developer — Technical Lead

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## Professional Summary

Full Stack Developer and Technical Lead specializing in Distributed Systems and high-concurrency enterprise solutions for 6,000+ active users. Expertise in React.js, Django, and System Architecture. Proven success in leading Agile teams and collaborating with stakeholders to deliver scalable production environments with 99.8% uptime.

## Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL (PostgreSQL/MySQL), C++, Java, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Django, React Native, Tailwind CSS, Vite
- **Infrastructure & Cloud:** AWS (EC2/S3), Docker, Firebase, Vercel, PostgreSQL, MongoDB, NoSQL
- **Engineering Tools:** Team Leadership, Agile/Scrum, CI/CD Pipelines, REST APIs, System Design

## Professional Experience

### Lead Full Stack Developer | IIIT Jabalpur - Fusion ERP System

Aug 2025 - Present

Github | Live

- Direct a cross-functional engineering team of 4+ to modernize an institutional **ERP system**, optimizing **System Architecture** to support 6,000+ concurrent users.
- Collaborated with administrative stakeholders to define technical requirements and presented progress reports to institutional leadership.
- Architected a reusable **React.js/TypeScript** component library, reducing development time for new modules by 30%.

## Projects

### ICAORFDI-2026 Conference Portal | React 19, TypeScript, Vite, Tailwind CSS

2025

Github | Live

- Developed a production-grade single-page conference portal for 500+ expected attendees, featuring lazy-loaded components and code splitting to achieve sub-2 second initial load times.
- Implemented comprehensive SEO optimization with JSON-LD structured data, Open Graph meta tags, and XML sitemap, improving search visibility and Google indexing within 48 hours of deployment.
- Designed responsive UI components with Tailwind CSS, supporting 6 conference themes, committee sections, and real-time countdown timer across all device breakpoints.
- Optimized build pipeline using Vite with Terser minification, achieving 85%+ PageSpeed Insights performance score and 40% reduction in bundle size.

### IIITDM Jabalpur Unofficial Website | Next.js, TypeScript, MongoDB, Tailwind CSS

2025

Github | Live

- Developed a full-stack institutional website using Next.js 14 App Router with TypeScript, serving 15+ pages for administration, academics, and student resources.
- Implemented a secure admin panel with Clerk authentication, enabling CRUD operations for 17 MongoDB collections including Board of Governors, Finance Committee, and Research Staff.
- Created RESTful APIs for binary image storage and retrieval, handling file uploads up to 100MB with proper validation and error handling.
- Built responsive UI components using Radix UI and shadcn/ui, achieving mobile-first design with 3-level hierarchical navigation and accessibility features.

## Education

### Indian Institute of Information Technology (IIIT) Jabalpur

Aug 2023 - May 2027  
Jabalpur, India

Bachelor of Technology in Computer Science and Engineering

## Leadership and Achievements

- **Technical Leadership:** Mentored junior developers in Code Review processes and maintained comprehensive technical documentation for institutional software projects.
- **Certifications:** Google IT Support Professional, Google Cloud Skills Boost (Silver Ranker in Cloud Skills), AWS Cloud Quest: Cloud Practitioner.