Vikrant Kumar

Full Stack Developer — Technical Lead

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Jabalpur, India

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
Bachelor of Technology in Computer Science and Engineering   Jabalpur, India

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.