

# Aman Kumar

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## Education

**Indian Institute of Information Technology, Jabalpur**

Aug 2023 – Present

*Bachelor of Technology in Smart Manufacturing*

CPI: 7.6

**Relevant Coursework:** Artificial Intelligence, Machine Learning, Digital Twin, Data-Driven Manufacturing

## Work Experience

**Software Development Intern – Rakumura IT Solutions**

Chennai, India

July 2025 – Present

- Revamped a full-stack admin dashboard using Next.js and Supabase, simplifying complex entity relationships to improve long-term maintainability.
- Achieved a **60-80% reduction in data fetch latency** by replacing client-side HTTP requests with server-side Supabase RPC functions.
- Engineered a custom, high-performance CMS with SupaCMS to eliminate third-party dependencies and reduce operational costs.
- Boosted front-end responsiveness by migrating logic to the backend, **improving page speed by 80%** through the elimination of redundant network calls.

## Projects

**APS IIITDMJ**

[GitHub Link](#)

- Worked collaboratively in a team of 5 to create 2 websites from scratch .
- **Dockerized** websites for easy and maintainable future deployment on **AWS Lambda**, streamline the deployment process and improving scalability .

**Nike-Inspired E-commerce Landing Page**

[GitHub Link](#)

- Engineered a responsive, pixel-perfect landing page featuring key e-commerce sections like a hero banner, product showcases, and customer testimonials.
- Built with **React.js** and **Vite** for a high-performance front-end, and styled with **Tailwind CSS** and **Shadcn UI** to create a modern user interface.

## Technical Skills

**Languages:** C++, Python, SQL, JavaScript, TypeScript, Go ,Java

**Frameworks Libraries:** React.js, Next.js, Node.js, Express.js, Redux Toolkit

**Databases Platforms:** PostgreSQL, MongoDB, Supabase, AWS, DigitalOcean,Docker

**Developer Tools:** Git, GitHub, VS Code,Cursor IDE,Google Gemini API SDK

## Leadership and Achievements

**Web Development Mentor – Programming Club, IIITDM Jabalpur**

May 2024 – Present

– Guided and mentored a cohort of over **20 junior students** in foundational and modern web development practices, enabling them to build and deploy their first portfolio-ready web applications.

**Event Coordinator, CosmicQuest – Abhikalpan'25 Technical Festival**

Jan 2025 – Apr 2025

– Designed and managed a two-stage competition on complex physics topics, successfully marketing the event to a national audience and attracting over **140 registered teams**.

**Competitive Programming:** Solved 700+ problems across [LeetCode](#) (1778+), [CodeChef](#) (3-Star, 1640+), and [Codeforces](#) (Pupil, max 1200+).