

AMIT KUMAR

FULL STACK DEVELOPER | AI & GENAI ENTHUSIAST

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[GitHub](#) [LinkedIn](#) [LeetCode](#) [GeeksforGeeks](#) [Twitter/X](#)

PROFESSIONAL SUMMARY

Built and deployed MERN stack applications, developed RESTful APIs, and integrated AI & automation tools (LLMs, LangChain, RAG, Cursor AI, n8n, WebSocket, WebRTC, AI Agents). Improved web performance by up to 30% and led 3–4 member teams to deliver projects ahead of schedule. Currently learning Python backend development with FastAPI to build high-performance APIs.

EDUCATION

September 2023 - June 2026

Bachelor of Computer Applications (BCA)

Kashi Institute of Technology

- Ranked in top 20% in coding competitions and workshops.
- Mentored 5+ peers on MERN stack projects, improving team delivery and code quality.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, React.js

Backend: Node.js, Express.js

Database: MongoDB, Redis, Vector DB, PostgreSQL

Programming: C, C++, Python

Version Control: Git, GitHub

AI & Automation: LLMs, LangChain, RAG, Cursor AI, AI Agents, n8n, WebSocket, WebRTC, REST API

PROJECTS

- OceanIQ (SIH 2025 Winner - Ministry of Earth Sciences):** Architected an AI-powered ocean data analysis platform processing 30GB+ of complex NetCDF data. Engineered a RAG pipeline using Google Gemini 2.5 and FAISS to enable natural language querying of Argo Float datasets. Developed robust Python (FastAPI) ETL pipelines and integrated them with the frontend for real-time trajectory mapping, simplifying oceanographic research for scientists.
- SmartCoders - AI-Powered Coding Platform:** Built a full-stack LeetCode-style platform using MERN Stack, Redux, and Redis. Integrated Google Gemini AI to provide real-time code explanations and hints. Features include daily automated problems (POTD) via Cron jobs, secure code execution (via Judge0), video solution streaming (Cloudinary), and Razorpay payment integration.
- SiteForge: AI-Powered Website Builder** Led development of full-featured app with React.js, Redux, Tailwind CSS, Node.js, Express.js, and Socket.IO. Integrated LangChain-based AI content, real-time collaboration via WebRTC, automated workflows with n8n, and Razorpay payments. Deployed securely on AWS. Mentored junior developers and coordinated project tasks among 4 team members.
- AI Agents & Automation:** Developed intelligent AI agents using LangChain and RAG pipelines to automate repetitive tasks, cutting manual work by 40%. Presented results to peers, explaining workflow architecture clearly and effectively.
- Swiggy Clone:** Built React.js food delivery app with dynamic listings. Processed 100+ test orders and improved page load speed by 30% through optimized state management. Communicated with team members to define user-friendly features and UI workflow.

ACHIEVEMENTS & CERTIFICATIONS

- Solved 300+ DSA problems on LeetCode and GeeksforGeeks, maintaining 200+ day streak, ranking in top 15% globally.
- 1st place at Techkriti Memory Based CC (KIT Varanasi) among 50+ participants.
- Winner of Smart India Hackathon (SIH) 2025.** Led a 6-member team to victory in the Grand Finale, managing task delegation, coordinating team communication, and presenting innovative solutions to judges under tight deadlines.
- Completed Full Stack Development course from Coder Army Nexus, gaining hands-on MERN stack experience.