

Anurag Kumar

Jabalpur, India | +91 8085048267 | kumar.anurag.connect@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

B.Tech (Bachelor of Technology) Computer Science

Aug 2023 - Aug 2027

VIT-Bhopal University

GPA: 8.77/10

PROFESSIONAL SUMMARY

Full-Stack Developer with hands-on experience building production-grade MERN applications, including a 30+ endpoint e-commerce platform with Redis caching and RabbitMQ messaging. Strong foundation in Data Structures & Algorithms (900+ problems solved across [LeetCode](#), [Codeforces](#), [GeeksforGeeks](#)) and RESTful API design. Seeking to apply full-stack engineering skills in a software development role.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript (ES6+)
- **Frontend:** React.js, HTML5, CSS3, Bootstrap, Responsive Web Design
- **Backend:** Node.js, Express.js, RESTful API Design, Middleware Development
- **Databases:** MongoDB, MongoDB Atlas, Mongoose, MySQL
- **Core CS Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Database Design, API Development
- **Cloud & Infrastructure:** AWS, Docker, Redis, RabbitMQ
- **Tools & Practices:** Git, GitHub, Postman, Unit Testing, Debugging & Troubleshooting

PROJECTS

ReadyBuy – Enterprise MERN E-commerce Platform - [Link](#)

React.js, Node.js, Express.js, MongoDB, Redis, RabbitMQ, JWT, Cloudinary, React Query, Bootstrap, Docker

- Architected a full-stack e-commerce platform, engineering 30+ RESTful APIs secured with JWT authentication and role-based access control.
- Designed a scalable backend using Redis caching, RabbitMQ message queues, and a Repository-Service-Controller pattern across 10+ modules.
- Built 10+ admin modules (products, orders, coupons, inventory, analytics) supporting full CRUD, pagination, search, and filtering.
- Delivered an end-to-end customer journey — authentication, catalog, cart, coupons, checkout, order history — for a responsive UI supporting 200+ products.
- Containerized the application with Docker and integrated Cloudinary for scalable media storage.

Medicare – MERN Patient Management System - [Link](#)

React.js, Node.js, Express.js, MongoDB Atlas, Mongoose, JWT, Google OAuth, REST APIs

- Developed a full-stack patient scheduling platform, reducing average wait times via automated appointment allocation.
- Implemented Google OAuth and multi-factor authentication to strengthen login and session security
- Built a complete slot-booking workflow with doctor-side confirmation, e-prescription generation, and patient record management.
- Configured MongoDB Atlas replica sets to improve database uptime and ensure high availability for booking operations.

StudyWithMe – MERN Academic Resource Management Platform - [Link](#)

React.js, Node.js, Express.js, MongoDB Atlas, Mongoose, JWT, Cloudinary, REST APIs

- Built a centralized academic platform supporting 18+ courses, shared subjects, faculty notes, and PYQs with in-browser PDF viewing.
- Engineered reusable subject-resource mapping, enabling 1-time uploads to serve the same academic content across multiple courses.
- Developed a JWT-protected admin dashboard with CRUD operations for courses, subjects, notes, and PYQs, integrated with Cloudinary storage.
- Designed a production-ready architecture targeting 10K+ users with API rate limiting, database indexing, pagination, monitoring, and backup strategies.

LEADERSHIP & COMMUNITY

- **Core Team Member, NSS (National Service Scheme):** Organized tree plantation, blood donation, and community programs.
- **Core Team Member, CGCT (Clean Green Campus Team), VIT Bhopal:** Supported sustainability and student welfare initiatives.

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Academy** — AWS Cloud Foundations
- **Google** — The Bits and Bytes of Computer Networking
- **Oracle** — Generative AI
- Solved 300+ problems on GFG, 450+ on LeetCode, and 150+ on Codeforces; achieved a 5-Star Gold rating on HackerRank.
- Participated in university-level hackathons, applying full-stack development skills under time constraints.