

Avneesh Kumar Tripathi

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[LeetCode](#) | [CodeForces](#) | [CodeChef](#)

Education

Bachelor of Technology in Computer Science Engineering

Aug 2023 – May 2027

KIET Group of Institutions, Ghaziabad (AKTU)

CGPA: 8.32/10

Technical Skills

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

Frontend: React.js, Next.js, Tailwind CSS, Monaco Editor, Material-UI

Backend: Node.js, Express.js, Spring Boot, RESTful API Design, GraphQL

Databases: PostgreSQL, MySQL, MongoDB, Redis, Prisma ORM, Mongoose

DevOps & Infrastructure: Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, AWS CodePipeline, Nginx, Terraform, Ansible, Load Balancing

Cloud Platforms: AWS (EC2, S3, RDS, Lambda, CloudWatch), Google Cloud Platform, Azure

AI & ML Tools: Google Gemini API, OpenAI GPT API, Claude API, Hugging Face, Prompt Engineering

Tools & Platforms: Git, GitHub, GitLab, JIRA, Prometheus, Postman, Webpack, Linux/Unix, Agile/Scrum

Experience

Deputy Secretary

Aug 2024 – Present

K3 Club, KIET Group of Institutions

Ghaziabad, India

- Coordinated 12+ technical workshops on web development and data structures for 200+ students
- Managed club social media presence, increasing engagement by 150 percent across LinkedIn and Instagram
- Organized technical events and coding competitions to promote programming culture on campus

Projects

Code Verse - Online Coding Platform

MERN Stack, Redis, Judge0 API | [GitHub](#)

- Built full-stack coding platform with 50+ DSA problems and live contests using Node.js, Express, MongoDB, and React
- Integrated Redis caching reducing API response time by 65 percent and Judge0 API for multi-language execution with 99.2 percent uptime
- Deployed JWT authentication with role-based access control and configured Nginx reverse proxy on AWS EC2
- Incorporated Gemini AI for code suggestions and Monaco Editor for enhanced user experience

Portfolio Manager - Digital Portfolio SaaS Platform

Next.js 14, TypeScript, PostgreSQL | [GitHub](#)

- Developed SaaS platform for custom portfolio websites with real-time analytics dashboard tracking visitor engagement
- Built with Next.js 14 App Router, TypeScript, Clerk authentication with OAuth, and PostgreSQL with Prisma ORM
- Created productivity tools including QR code generator, link shortener, and secure single-use links
- Achieved 95+ Lighthouse score with Server-Side Rendering and 40 percent bundle size reduction via code splitting

Drive - Cloud Storage System

Spring Boot, PostgreSQL, AWS S3 | [GitHub](#)

- Built secure cloud file management system supporting uploads up to 100MB with Spring Boot and PostgreSQL
- Configured Spring Security with JWT authentication and role-based access with Owner, Viewer, and Editor permissions
- Designed scalable backend with HikariCP connection pooling and lazy loading reducing query time by 40 percent
- Integrated file versioning and soft-delete functionality with automated cleanup using Spring Scheduled

Key Achievements

Competitive Programming: Solved 1487+ problems across platforms with 614 active coding days. CodeChef 2 Star rating 1455. LeetCode max rating 1581. CodeForces max rating 1235. Maximum streak 605 days.

Academic Excellence: Maintained consistent SGPA 8.5+ throughout coursework including Data Structures, Object Oriented Programming, Operating Systems, and Web Development. Current CGPA 8.32 out of 10.