

# Avneesh Kumar Tripathi

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LeetCode | CodeForces | CodeChef

## Education

<b>Bachelor of Technology in Computer Science Engineering</b> <i>KIET Group of Institutions, Ghaziabad (AKTU)</i>	Aug 2023 – May 2027
	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

<b>Deputy Secretary</b> <i>K3 Club, KIET Group of Institutions</i>	Aug 2024 – Present
	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

<b>Code Verse - Online Coding Platform</b>	MERN Stack, Redis, Judge0 API   <a href="#">GitHub</a>
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- 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

<b>Portfolio Manager - Digital Portfolio SaaS Platform</b>	Next.js 14, TypeScript, PostgreSQL   <a href="#">GitHub</a>
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- 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

<b>Drive - Cloud Storage System</b>	Spring Boot, PostgreSQL, AWS S3   <a href="#">GitHub</a>
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- 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.