MAYANK KANSAL

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SUMMARY

Full-Stack Engineer with experience architecting scalable Node.js/Next.js monolithic applications, specializing in low-latency WebSockets and LLM integrations. Built production-grade web applications utilizing CI/CD pipelines and AI integrations with OpenAI and Gemini APIs.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++ with Data Structures & Algorithms, SQL, HTML5, CSS3
Frontend: React.js, Next.js, Tailwind CSS, shadcn/ui, State Management (Zustand)
Backend: Node.js, Express.js, GraphQL, REST API Design, WebSockets, Socket.IO
Databases: MongoDB, MySQL
DevOps & Tools: Git, GitHub, CI/CD Pipelines, Postman, Auth0, Vercel
AI & Integrations: OpenAI/Gemini API, Prompt Engineering, LLM System Prompts, System Design Fundamentals, Authentication, Authorization, JWT

EXPERIENCE

SkillsYard Edutech Private Limited [July 2024 -- Oct 2025]
Full Stack Web Developer & Mentor (Tech Lead)

- Developed and scaled a production LMS using Next.js, Node.js, and GraphQL, collaborating with a cross-functional team through Agile/Scrum methodologies.
- Engineered AI-powered adaptive assessments and integrated Auth0-based authentication within the backend, ensuring secure role-based access control and personalized learning paths.
- Automated CI/CD pipelines and DevOps workflows using GitHub Actions to standardize deployment workflows and maintain system reliability.
- Mentored 80+ students in full-stack web development and DSA (C++), driving a 30% increase in project completion rates.

AKB Tech (Freelance) [Dec 2024 -- Jan 2025]
Frontend Developer

- Optimized a responsive React.js web application with Tailwind CSS and integrated REST APIs to streamline transaction workflows.

PROJECTS

CODECLASH.AI | GitHub [Oct 2025 – Present]
Next.js, Node.js, Express.js, TypeScript, MongoDB, WebSockets, LLM Integration

- Architected an intelligent 1v1 coding platform integrating OpenAI/Gemini APIs for real-time AST-based code analysis and adaptive feedback generation.
- Optimized backend throughput using WebSockets and Socket.IO to maintain low-latency real-time code synchronization across clients.

DEVCONNECT | GitHub [Aug 2025 – Present]
Next.js, TypeScript, Express.js, Node.js, WebSocket

- Developed a real-time collaboration platform using WebRTC for peer-to-peer communication and technical team coordination.
- Implemented an LLM-powered team-matching algorithm that analyzed user skill profiles to automate project formation.

POSITIONS OF RESPONSIBILITY

Tech Lead | *TRYST – KMV* [April 2025 -- May 2025]

- Directed end-to-end development of TRYST Fest's official website, optimized backend performance under load, and ensured high uptime supporting 20k+ concurrent visitors.

AWARDS & ACHIEVEMENTS

Rank 3 -- Hawking Hack (Inter-College Hackathon), Keshav Mahavidyalaya [2026]
Rank 2 -- CodeVerse Competitive Programming Contest (HackerRank), Keshav Mahavidyalaya [2025]
Top 7 Finalist -- Smart India Hackathon (SIH) Internal Rounds, University of Delhi [2024, 2025]

Education

Keshav Mahavidyalaya (University of Delhi) [2023 – 2026]
B.Sc. in Physical Science with Computer Science