

Aditya Singh

Full-Stack Developer

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Professional Summary

Full-Stack Developer experienced in building scalable, production-ready web applications with a focus on real-time communication systems and secure architectures. Specialized in developing encrypted chat platforms, video/voice calling systems, AI-integrated messaging, and OAuth-based authentication workflows.

Technical Skills

- Languages: TypeScript, JavaScript
- Frontend: Next.js, React, Tailwind CSS
- Backend: Node.js, REST APIs, API Architecture
- Real-Time Systems: WebSockets (Socket.IO), WebRTC, Signaling Servers
- Authentication: Google OAuth Implementation
- Security: End-to-End Encryption (Chats, Voice, Video)
- Deployment & Tools: Vercel, Git, Environment Configuration

Projects

- Real-Time Communication Platform: Engineered a WhatsApp-like application featuring real-time encrypted messaging, video calls, voice calls, group calls, AI-powered message interactions, and secure session handling using WebRTC and WebSockets.
- Social & Food Discovery Platform: Built a Zomato + Instagram-inspired application with API-driven video feeds, dynamic content rendering, Google authentication, and scalable frontend-backend architecture using Next.js and TypeScript.