APOORVA RAJ

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Education

B.Tech, Computer Science Engineering, VIT Bhopal University   2022–2026
CGPA: 9.10

Class XII, CBSE, Angels High School, Hazaribagh   2022
95.2%

Class X, CBSE, Angels High School, Hazaribagh   2020
95.4%

Technical Skills

- **Languages:** C++, JavaScript, SQL, TypeScript
- **Web Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB
- **Tools/Cloud:** AWS, Git, GitHub, JWT, Postman, Razorpay

Projects

TalkTribe – Real-Time Video Calling App (Live) — GitHub

- Developed a real-time video calling platform with over 50 active users across 3 countries.
- Integrated Stream API for smooth, low-latency audio/video performance and scalable user authentication.
- Implemented friend system with responsive frontend using Tailwind CSS, achieving 95 percent user retention.
- Optimized connection handling, reducing call initiation time by 40 percent and improving user experience.

SyntaxHub – Collaborative Online Code Editor (Live) — GitHub

- Built a collaborative editor supporting 20+ programming languages using Piston API for code execution.
- Enabled simultaneous editing by multiple users through WebSockets with real-time conflict resolution.
- Integrated Monaco Editor for rich code-editing experience similar to VS Code with syntax highlighting.
- Deployed to Vercel with optimized build configuration, achieving sub-300ms cold start time.

FlashbackFlix – Movie Ticket Booking Platform (Live) — GitHub

- Built ticketing platform with 100+ bookings managed through custom admin dashboard and user analytics.
- Utilized TMDB API to display live movie data with automated seat management and booking system.
- Implemented Clerk authentication and Stripe payments, reducing transaction failures by 30 percent.
- Integrated Inngest for automated rebooking notifications and analytics to enhance user engagement.

Experience and Leadership

- Core Member, Content Team – Blockchain Club, VIT Bhopal: Created 10+ articles on blockchain trends, smart contracts, and Web3.
- Volunteer, Advitiya'24: Supported 5+ flagship events with 2000+ footfall.
- Ranked among the Top 100 teams out of 1200+ in the Zelestra national hackathon.
- Participated in 5+ ideathons and coding competitions.

Certifications

- AWS Academy Graduate – Cloud Architecting & Foundations (Apr 2025)
- AWS Solution Architect – ETHNUS (May 2025)