

Vishal Nishad

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Education

Chandigarh University

Master of Computer Applications (MCA)

Punjab, India

2024 - 2026

- **Relevant Coursework:** Data Structures, Operating Systems, Database Systems, Software Engineering

Maharaja Sayajirao University of Baroda

Bachelor of Commerce (B.Com)

Vadodara, India

2021 - 2024

- **Relevant Coursework:** Business Management, Accounting, Economics, Statistics

Experience

SoloBuild AI

Founding Developer

Remote

April 2026 - Present

- Founded SoloBuild AI, building full-stack web apps and AI voice agent systems for clients end-to-end, including voice.solobuildai.com, a plug-and-play telephony platform enabling 1-day client onboarding.
- Engineered production AI voice agents (LiveKit, Pipecat, Gemini Live API, Deepgram) and production-grade authentication (token rotation, DPOP) for client deployments.

Open Source Contributions

Corsair | Open Source Integration Platform for AI Agents (10k+ stars)

Aug - Sep 2026

- Shipped 3 merged plugins - **Attio**, **DaData.ru**, **Instagram** - covering 100+ API operations with OAuth/API-key auth, webhook signatures, and rate-limit retries.
- Contributed ~12,600 lines of TypeScript across 63 files; fixed an HTTP client auth bug affecting the plugin ecosystem.

Projects

Real-Time Quiz Platform | Next.js, Turborepo, Node.js, Express, PostgreSQL, Prisma, Redis, Socket.io, BullMQ, TypeScript

- Engineered a real-time multiplayer quiz platform supporting concurrent live rooms with synchronized timers, questions, and leaderboards via Socket.IO.
- Architected a Turborepo monorepo with separate HTTP/WebSocket services and shared database/Redis packages for independent scaling.
- Built asynchronous score-persistence pipelines with BullMQ and Redis to maintain reliability under concurrent load, backed by PostgreSQL/Prisma.
- Implemented a passwordless OTP authentication system with DPOP-bound, rotating refresh tokens across a strict TypeScript architecture.

Technical Skills

Languages: TypeScript, JavaScript, SQL

Frameworks & Libraries: Next.js, React.js, Express.js, Socket.io

Databases & ORMs: PostgreSQL, MongoDB, Prisma, Redis

AI Voice Infrastructure: LiveKit, Pipecat, Gemini Live API, Deepgram, Cartesia, Twilio, Plivo, Vobiz, RAG

Tools & Platforms: Turborepo, BullMQ, Node.js, Docker, Kubernetes, Git, Postman

Concepts: Real-time Systems, REST APIs, Authentication (JWT, DPOP, Token Rotation), Monorepo Architecture, Event-driven Systems, Asynchronous Processing, RBAC

Certifications

0-1 Full Stack Web Development

Nov 2025 - May 2026

100xDevs - Harkirat Singh

- Learned the MERN stack in depth (TypeScript, Express, ORMs, monorepos/Turborepo) along with Docker, AWS deployment, and Nginx reverse proxies.
- Built a Paytm/Wallet clone end-to-end and worked on a GSoC-style open-source project as part of the cohort.