

TANISHK KHARE

Full-Stack Engineer · MERN Stack · Agentic AI Systems
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TECHNICAL SKILLS

Frontend React & Next.js, TypeScript/JavaScript, Tailwind CSS, shadcn/ui, HTML/CSS
Backend Node.js, Express, Fastify, REST APIs, WebSockets, BullMQ, Redis
Databases MongoDB & Mongoose, PostgreSQL & Prisma, Redis
Cloud & DevOps AWS EC2, Docker & Docker Compose, Nginx, Linux, CI/CD, Kubernetes basics, Prometheus/Grafana, Git, Postman, Turborepo, pnpm
AI / LLM Infra Anthropic Claude (tool-calling), MCP, Deepgram STT, ElevenLabs TTS, Twilio Media Streams, Vector DBs, RAG pipelines, LLM eval

PROFESSIONAL EXPERIENCE

Full-Stack Developer — AppX (YC S21) Jun 2026 – Present

- Work across appx-client-website (Next.js, Tailwind/shadcn, multi-tenant) and aidm (pnpm monorepo — Next.js, Node/Express, Prisma, PostgreSQL, Redis).
- Shipped UI revamp PRs (legal pages with a custom useScrollSpy hook, settings page redesign, search page) and a Contact Export (CSV) feature with server-side Prisma filters.
- Delivered 5 production client sites on the multi-tenant appx-client-website platform — [uclid.co](#) (AV/collaboration tech), [ammumahadevan](#), [drshubhamvatsya](#), [artistswapnali](#), and [pvjeducational](#).
- Also built [teachx.in](#) — a credit-based AI toolkit for Indian school teachers (Turborepo/MERN + Typescript monorepo, OpenRouter LLM gateway, HOLD/CAPTURE/RELEASE credit ledger, six AI features on a shared pipeline).
- Gaining hands-on experience with LLM tool-calling patterns, agentic workflows, and platform engineering (Docker, Redis, PostgreSQL at scale); maintains clean Git workflow hygiene across branches.

Associate Full-Stack Engineer & Cloud/DevOps Engineer — Bitcode Softwares Nov 2025 – Apr 2026

- Built and shipped anubhanutrition.in — a production clinic management SaaS using Next.js, Node.js, Prisma, and PostgreSQL with live customers and zero downtime.
- Owned cloud engineering end-to-end: provisioned and hardened AWS EC2 (Ubuntu Linux), built a Docker-based CI/CD pipeline, configured Nginx reverse proxy and TLS/HTTPS, and monitored uptime in production.
- Designed and maintained REST APIs, Prisma database schemas, and third-party service integrations across the stack.

Founder — Lunar Nodes 2026 – Present

- Founded a web & software development agency ([lunarnodes.co.in](#)) delivering full-stack websites, SaaS platforms, and AI-powered products for clients end-to-end — scoping, engineering, deployment, and support.

Freelance Full-Stack Developer — Independent 2024 – Present

- [visahouse.co.in](#) — visa application portal covering 90+ countries, with workflow automation and production deployment on AWS EC2.
- [yogaforcure.in](#) — full-stack platform for a 350k+ subscriber YouTube brand, with custom APIs, booking flows, and cloud deployment.
- [anubhanutrition.in](#) — clinic management SaaS built and deployed independently for a live nutrition practice.
- [devnetb.tech](#) — document-bundle course platform (exam-prep PDFs) with an admin panel, payments, and protected content delivery.

AI/ML Process Executive (Intern) — Augtech Nextwealth Aug – Sep 2025

- LiDAR annotation and validation for autonomous-vehicle perception models; contributed to high-quality CV training datasets for ML pipelines.

PROJECTS

xTanBot.ai — AI Voice Assistant Platform 2025

TypeScript · Fastify · Node.js · PostgreSQL · Prisma · Redis · BullMQ · Docker · Turborepo · Anthropic Claude · Twilio · Deepgram · ElevenLabs

- Production AI voice assistant that handles inbound/outbound calls, schedules meetings, and manages contacts entirely via natural voice — built in a typed pnpm/Turborepo monorepo.
- Claude tool-calling agent kernel with a centralised tool router (schedule_meeting, make_call, lookup_contact) and Zod-validated schemas at every domain boundary.
- Real-time voice pipeline: Twilio Media Streams → Deepgram STT → Claude → ElevenLabs TTS over WebSockets; sub-second conversational latency.
- Async job processing via BullMQ workers, Redis pub/sub events, Prisma migrations, and Docker Compose infra with health checks.

Terminus — Coding Agent CLI & API 2025–2026

TypeScript · Node.js · Commander.js · Express · Anthropic SDK · Gemini SDK · Turborepo · Bun

- Minimal agentic coding assistant built from scratch — no LangChain, no wrappers — to master agent loops, SSE streaming, and tool-calling mechanics at source level.
- Multi-provider support (Claude + Gemini) with a shared core package; executes real filesystem tools (bash, read_file, write_file, list_dir) with full context accumulation across turns.
- Structured as a pnpm/Turborepo monorepo: apps/cli (Commander.js), apps/api (Express), packages/core, packages/shared.

EDUCATION

BCA — Shri Shankaracharya Mahavidyalaya, Bhilai 2023 – 2026

Class XII, CBSE — Kendriya Vidyalaya, Durg — 88.4%
Class X, CBSE — Kendriya Vidyalaya, Durg — 88%

CERTIFICATIONS & ACHIEVEMENTS

- CS50x — Introduction to Computer Science, Harvard University
- Rank #1 in BCA — top performer in a BCA semester, SSMV Bhilai