

MEHUL ARORA

FULL-STACK ENGINEER | AGENTIC AI SYSTEMS

Faridabad, India | 7428894788 | mehularora505@gmail.com | GitHub | X (Twitter) | LinkedIn | YouTube | mehularora.dev



PROFESSIONAL SUMMARY

Full-stack engineer specializing in agentic AI systems, LLM orchestration, and real-time streaming architectures. Experienced in building production-grade TypeScript applications end-to-end, from scalable Next.js and React interfaces to robust Node.js and Express services. Passionate about developing intelligent, AI-driven applications with secure authentication, seamless integrations, and responsive user experiences.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frontend:** React, Next.js, Tailwind CSS, TanStack Query, Zod, Zustand
- **Backend & Real-Time:** Node.js, Express, WebSockets, REST APIs, Better-Auth
- **Databases & Storage:** PostgreSQL, MongoDB, Redis, Prisma, Drizzle ORM, Mongoose, Qdrant, Pinecone, Cloudflare R2
- **AI / LLM Integration:** OpenAI SDK, Vercel AI SDK, LangChain, Multi-Provider Orchestration
- **DevOps & Tooling:** Docker, Git, GitHub API (Octokit), CI/CD Pipelines, Vercel, BullMQ, Inngest, PostHog

PROJECTS

Arbiter | Next.js, React, TypeScript, Drizzle ORM, PostgreSQL [\[GitHub\]](#) [\[Live\]](#)

- Built a multi-model LLM orchestrator that fans a single prompt out to five providers — OpenAI, Anthropic Claude, Google Gemini, Mistral, and DeepSeek — in parallel and streams every response live over Server-Sent Events.
- Implemented Google OAuth (PKCE) authentication with short-lived JWT sessions and AES-256-GCM encrypted storage for user-supplied API keys, plus an evaluator model that synthesizes one final answer from all five responses.

Personic | OpenAI Agents SDK, Express, React, Vite, TanStack Router [\[Live\]](#) [\[GitHub\]](#)

- Built a persona-grounded AI mentor agent on the OpenAI Agents SDK with a custom Zod-validated guardrail agent that screens every query before it reaches the model.
- Added tool-calling for YouTube video lookups, weather reports, and automated email dispatch (Resend), with raw token streaming from an Express 5 backend to a React 19/Vite frontend.

TalwinderCSS | JavaScript, npm, React, Vite, TanStack Router [\[Live\]](#) [\[GitHub\]](#) [\[NPM\]](#)

- Designed and published a zero-dependency, framework-agnostic CSS utility engine to the public npm registry, parsing custom class-name tokens and injecting atomic styles via a single-pass DOM scan.
- Built a companion documentation and playground site (React 19, Vite, TanStack Router) with a live sandbox for constructing and previewing utility-class combinations in real time.

QuarkAI | Next.js, TypeScript, PostgreSQL, Prisma, Clerk [\[GitHub\]](#) [\[Live Demo\]](#)

- Built a streaming AI chat app (Vercel AI SDK) with token-by-token rendering and durable Postgres-backed history via Prisma 7, so a dropped connection never loses a reply mid-stream.
- Implemented per-conversation model/system-prompt overrides, Clerk authentication, and full conversation management (rename, pin, archive, delete) as ownership-checked server actions.

EDUCATION

JC Bose UST (YMCA) | Bachelor of Technology (B.Tech) in CSE [\[Expected Graduation: June 2029\]](#)

Faridabad, India | Second-year coursework focuses on Computer Science foundations, database engineering, and algorithms.

CERTIFICATIONS & ACHIEVEMENTS

GenAI Cohort 2026 | chaicode.com [\[Verify Credential\]](#)

Completed a cohort-based program on generative AI models and prompt engineering.

Web Dev Cohort 2026 | chaicode.com [\[Verify Credential\]](#)

Completed a cohort-based full-stack web development program.

Codefusion Hackathon 2026 | Codeverse [\[Verify Credential\]](#)