

Ajinkya Dharkar

PORTFOLIO

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GitHub | Twitter | LinkedIn

EDUCATION

| Degree | Institute/Board | CGPA/Percentage | Year |
|------------------------|---|---------------------|-----------|
| Bachelor of Technology | Madhav Institute of Technology & Science, Gwalior | 7.78 (Till 7th Sem) | 2022-2026 |
| Senior Secondary | Central Board of Secondary Education | 93.2% | 2021 |
| Secondary | Central Board of Secondary Education | 92.6% | 2019 |

PROJECTS

• DevDiscuss

[GitHub](#) | [Live](#)

Next.js, TypeScript, PostgreSQL, Drizzle ORM, TailwindCSS

- Built a full-stack developer Q&A platform where users can post programming problems, share solutions, and interact through voting and tagging systems.
- Implemented advanced features including full-text search with PostgreSQL GIN indexing, a trending ranking algorithm based on votes and solutions, and efficient pagination for scalable problem browsing.
- Designed a modular backend using Next.js API routes and Drizzle ORM, supporting user profiles, follow systems, and structured relational data management.

• Doodleboard

[GitHub](#) | [Live](#)

NextJS, Typescript, Prisma, TurboRepo, Canvas API, WebSockets, JWT

- Built a real-time collaborative whiteboard from scratch using the native Canvas API, without external drawing libraries, achieving full control over rendering and performance.
- Engineered a custom drawing system supporting shapes, freehand tools, and text by implementing low-level canvas operations, coordinate math, and path rendering.
- Implemented WebSocket-based real-time synchronization, enabling multiple users to draw simultaneously with minimal latency.
- Designed efficient shape serialization/deserialization for seamless state sharing across clients.
- Developed JWT-based authentication and room-based access control for secure collaboration sessions.

• Still

[GitHub](#) | [Live](#)

Next.js, TypeScript, PostgreSQL, Prisma, Clerk, TailwindCSS

- Built an anonymous micro-social-network platform where users post one thought per day under randomly generated pseudonyms.
- Implemented midnight-based expiration to automatically delete posts and enforce a fully ephemeral writing experience.
- Designed a minimal interaction system without profiles, followers, or feeds, allowing users to read thoughts, leave reactions, and respond while preserving anonymity.

• Redis Chat

[GitHub](#) | [Live](#)

Next.js, TypeScript, Redis, Tailwind, Shadcn

- Built an anonymous, self-destructing chat application where rooms and messages automatically expire after 10 minutes using Redis TTL.
- Architected a full-stack solution with Next.js and TypeScript, leveraging API routes for scalable server-side logic.
- Used Redis as an in-memory datastore for ultra-fast message handling and ephemeral room state management.
- Implemented real-time messaging with efficient client-server updates, enabling low-latency communication between users.
- Designed a privacy-first system with zero authentication, strict two-user room limits, and no data persistence.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, C++, SQL, Solidity
- **Frameworks / Libraries:** React, Next.js, Express.js, TailwindCSS, Redux, TanStack Query, Socket.IO, WebSockets, Mongoose, Vite, Shadcn/ui, DaisyUI, MagicUI, AI-SDK
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Tools / Platforms:** Git, GitHub, VS Code, Cursor, Postman, Vercel
- **Agents:** OpenCode, Antigravity, Cursor

CERTIFICATIONS

| | |
|--|--------------------------|
| Automate CyberSecurity Tasks with Python | Coursera |
| Tools of the Trade: Linux and SQL | Coursera |
| Foundations of CyberSecurity | Coursera |
| Play it Safe: Manage Security Risks | Coursera |
| Assets, Threats, and Vulnerabilities | Coursera |
| Connect and Protect: Networks and Network Security | Coursera |
| Web Development Cohort | 100xdevs |

POSITIONS OF RESPONSIBILITY

- **Marketing Head**, Startup-cell, MITS Gwalior

2025 - 2026