

BUNGAPATLA SAI KUMAR

Full-Stack Developer (React / Next.js)

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SUMMARY

Full-stack developer with hands-on production experience building and scaling web platforms end-to-end — from streaming infrastructure and edge caching to AI-integrated content systems. Self-taught by shipping complete, live projects rather than tutorials. Comfortable owning architecture, debugging distributed systems, and working across the stack from Cloudflare Workers to React UI.

SKILLS

- **Languages & Tools:** JavaScript, TypeScript, Rust (basic), Git, GitHub, Docker, Node.js, npm, Yarn
- **Frontend:** React.js, Next.js (App Router), TailwindCSS, Figma
- **Backend & Infra:** Express.js, REST APIs, Cloudflare Workers, Edge Runtime, HLS.js, MySQL, SQLite, Turso, Drizzle ORM
- **AI / Search:** Gemini AI, Typesense, Inngest (background jobs)
- **Testing & Deployment:** Jest, Vercel, Docker, GitHub Actions
- **GitHub Activity:** 250+ contributions in the past year

PROJECTS

AnimeXNow — Multi-Provider Anime Streaming Platform | *Next.js, Cloudflare Workers, HLS.js, TypeScript*

animexnow.xyz

- Designed and shipped a live production streaming platform integrating 5+ content providers (Zoro/hianime, AllAnime, Shanks/Animetsu, Misaki) with automatic source failover.
- Built custom HLS proxy infrastructure and Cloudflare Worker-based segment caching to handle CDN/CORS restrictions and reduce origin load.
- Resolved production-scale Vercel quota overages by building a generalized image proxy and offloading video delivery to edge workers, cutting bandwidth and CPU costs.
- Implemented subtitle support with BCP-47 language normalization and end-to-end structured logging with correlation IDs across Next.js and Worker layers for cross-system debugging.

MittiLab — Organic Farming Knowledge Platform | *Next.js 15, TypeScript, Turso/Drizzle, Typesense, Gemini AI*

mittilab.xyz

- Designed and built a full-stack knowledge platform from scratch, combining an encyclopedia, structured databases, and AI tools for organic farming content.
- Shipped a 101-page site with an MDX-based content pipeline covering 31 published articles.
- Seeded and structured relational databases covering 50 crops, 40 fertilizers, and 29 pests, plus 31 dynamic comparison pages.
- Built 5 AI-powered tools using Gemini for content generation and farming Q&A, with Typesense-backed full-text search and Inngest for background job processing.
- Refactored monolithic pages into a modular data/hook/component architecture; fixed race conditions using SWR and AbortController.

Goated Store — Full-Stack E-Commerce Platform | *Next.js, TypeScript, Supabase, Zustand, Razorpay*

- Built a full-stack e-commerce platform with product search, filtering, cart, wishlist, and UPI checkout via Razorpay.
- Focused on performance and scalability with TailwindCSS + ShadCN UI for a modern, responsive interface.

Personal Portfolio | *Next.js, TailwindCSS, framer motion*

- Built and deployed a personal portfolio showcasing projects, skills, and achievements, optimized for SEO and fast load times.

EDUCATION

Diploma in Computer Science & Engineering — Global Tech Institute of Management | 2014 – 2017

B.E. in Computer Science & Engineering — Global Tech Institute of Management | 2017 – 2020

ACHIEVEMENTS / INTERESTS

- Passionate about building and shipping production web applications independently, learning by doing rather than tutorials.
- Interests: coding, music, gaming, anime.