Aayush Bharti

Full-Stack Engineer

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Summary

Full-stack engineer with 2 years shipping production web apps for US and Europe enterprise clients. Deep in Next.js, TypeScript, and headless CMS (Sanity, Contentful) within Turborepo monorepos, tuned for Core Web Vitals and SEO. Ships end-to-end: Express APIs, auth, payments, and LLM-backed features, with Claude Code and MCP in the delivery loop.

Skills

Languages:	TypeScript, JavaScript, Python, SQL, HTML5, CSS3
Backend:	Node.js, Express.js, REST APIs, Next.js Server Actions and Route Handlers, HTTP content negotiation, Better Auth, JSON Web Tokens (JWT), OAuth 2.0, Zod, Drizzle ORM, Mongoose ODM
Frontend:	React, Next.js, Tailwind CSS, Zustand, TanStack Query, Base UI, shadcn/ui, Motion (Framer Motion)
Fundamentals:	Data Structures and Algorithms, OOP, DBMS, Distributed Systems, Computer Networks
Databases:	PostgreSQL, MySQL, MongoDB, Redis
Tools:	Git, GitHub Actions, CI/CD, Docker, Turborepo, pnpm, Bun, Vercel, Cloudflare, Claude Code, Model Context Protocol (MCP), Google Gemini API, Postman, Linear, Agile
Architecture:	Server-Side Rendering (SSR), Static Site Generation (SSG), Incremental Static Regeneration (ISR), Core Web Vitals (CWV), headless CMS (Sanity, Contentful), internationalization (i18n) and localization (l10n), WCAG 2.1 AA accessibility, SEO and Answer Engine Optimization (AEO)

Experience

Roboto Studio — Remote (London, United Kingdom) January 2025 — Present

Frontend Developer *January 2026 — Present*

Associate Frontend Developer *January 2025 — December 2025*

Tech: Next.js, React, TypeScript, Node.js, Sanity, Contentful, GROQ, Tailwind CSS, Turborepo

- Architected **headless content systems** in Sanity and Contentful: schema and data modeling, reusable page-builder blocks, and optimized GROQ queries, improving content delivery speed 25% across 7+ production sites.
- Built a **Sanity translation dashboard with agentic localization**, pairing an LLM pipeline with HTTP content negotiation for locale-aware routing. Replaced the manual per-locale copy workflow; recognized by leadership.
- Delivered full-stack Next.js applications using **SSR, SSG and ISR caching**, partnering with design and product to tune Core Web Vitals, SEO and Answer Engine Optimization (AEO).
- Accelerated delivery with an **agentic development stack** (Claude Code, Model Context Protocol) and CLI-based automation for scaffolding and migrations, keeping human review on every generated change.
- Established **type-safe standards** across client, API and CMS layers in a Turborepo monorepo and maintained the GitHub Actions pipelines gating every pull request, cutting production defects 15% across 100+ merged PRs.

Projects

Nextdemy — Ed-Tech Course Marketplace | Live | GitHub October 2024 — Present

Tech: Next.js 16, React 19, TypeScript, Express.js, Bun, MongoDB, Turborepo, Zod, TanStack Query, Razorpay

- Designed a **Turborepo monorepo**: feature-based Next.js 16 client, domain-module Express.js API on Bun across 7 modules. Shared Zod schemas and inferred types through a workspace package, so client and server validate against one contract.
- Implemented **JWT access and refresh token auth** with httpOnly cookie rotation, OTP email verification and bcrypt hashing. Hardened with rate limiting, Helmet and CORS; instrumented with Pino structured logging.
- Shipped Razorpay checkout with **server-side signature verification**, Cloudinary media uploads, and an instructor analytics dashboard for enrollment and revenue. Built a shared library of 30+ UI primitives reused across both apps.

VentureDen — AI-Powered Startup Pitch Platform | Live | GitHub December 2024 — Present

Tech: Next.js 16, React 19, TypeScript, Sanity v5, Google Gemini, NextAuth v5, Turborepo, pnpm, Zod

- Developed an **AI pitch-analysis pipeline** on Google Gemini scoring submissions for clarity, market positioning and uniqueness, with model output parsed through Zod schemas so malformed responses fail closed instead of reaching the UI.
- Structured a pnpm workspace of two apps and four shared packages, with a **typed page builder** driving click-to-edit visual editing and GROQ queries typed from generated schema types. Added GitHub OAuth, dynamic OG images, JSON-LD and PWA offline support.

Education

Bachelor of Technology, Computer Science and Engineering — CGPA 8.47/10 August 2022 — June 2026

Roorkee Institute of Technology (VMSBUTU) *Roorkee, Uttarakhand, India*

CBSE Senior Secondary (Class XII) — 91.60% May 2020 — April 2021

Adarsh Vikas Vidyalaya *Patna, Bihar, India*

Achievements

- Recognized by leadership for the agentic localization dashboard.
- Open-source contributor to projects with 20k+ cumulative GitHub stars.
- 1st place, ExploreIn Web-D Bootcamp among 250+ participants.
- Academic Excellence Award, 2024, 2025 and 2026.