

Hiren Gajjar

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PROJECTS

Perch — Article Reading & Curation App

React · FastAPI · Python · PostgreSQL · Docker · GitHub Actions

- Built a full-stack reading app from scratch: FastAPI backend with a trafilatura-powered content extraction pipeline that strips ads and clutter from any URL, returning clean article text via REST API.
- React frontend with responsive reading view, article queue management, and tag-based filtering — designed as a production-ready replacement for a shut-down service.
- Containerized with Docker (separate API and frontend services), PostgreSQL for persistence, GitHub Actions CI pipeline running lint and tests on every push.

hirengajjar.com — Personal Portfolio Site

HTML · CSS · Cloudflare Pages · Security hardening

- Designed and deployed a dark-mode portfolio — zero JS dependencies, hand-written HTML/CSS focused on clean typography and fast load times.
- Deployed on Cloudflare Pages with hardened config: strict CSP, HSTS preloading, X-Frame-Options, Permissions-Policy — earns A+ on securityheaders.com.
- Sub-200ms TTFB globally via Cloudflare's edge network; scores 100 on Lighthouse performance.

OPEN SOURCE CONTRIBUTIONS

open-athletics

github.com/Menacholvan/open-athletics

Next.js 15 · TypeScript · D3.js · Recharts · Strava OAuth

- Multiple PRs merged into an open-source athletic analytics engine that processes second-by-second GPS/HR/cadence data streams to surface advanced running metrics typically locked behind paywalls.
- Contributed frontend features and data visualisation components using D3.js and Recharts within a Next.js 15 App Router architecture.

workflow-web

github.com/clarvia-org/workflow-web

Next.js · TypeScript · i18n (EN/FR/DE) · Accessibility · Cloudflare Turnstile

- Multiple PRs merged into a civic-tech nonprofit platform that guides grieving families through post-bereavement administrative paperwork — live at clarvia.org.
- Contributed frontend implementation, accessibility improvements, and i18n work across a trilingual (English, French, German) Next.js application.

EDUCATION

North Island College (NIC)

Courtenay, BC · 2022 – 2023

Postgraduate Diploma — Digital Design & Development

Gujarat Technological University (GTU)

Gujarat, India · 2016 – 2020

Bachelor of Engineering — Computer Science

TECHNOLOGIES

Languages: JavaScript, TypeScript, Python, HTML, CSS/SASS

Frontend: React, Next.js, GSAP, D3.js, Tailwind CSS — responsive & accessible UI

Backend: Node.js, Express, FastAPI, REST APIs, PostgreSQL, MongoDB, Redis

DevOps & Cloud: Docker, Git, GitHub Actions (CI/CD), Cloudflare Pages, AWS, Vercel

Testing & Tooling: Jest, Vitest, ESLint, Prettier — Agile / PR-based workflows