

Anish Kumar

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Education

DY Patil International University, Akurdi, Pune Aug 2024 – May 2028

- Bachelor of Engineering (Computer Science and Engineering) | SGPA: 8.95/10.0
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks

Experience

Rovion Games – Backend Intern (Remote) Jun 2026 – Present

- Implemented Firebase Authentication (email/password, OAuth) and Firestore schema; built auth middleware for session management and game state persistence

A Ray Of Hope Charitable Trust – Software Development Intern (Remote) May 2025 – Jul 2025

- Built a full-stack Donation Management System (React, Express.js, Prisma ORM, Docker); developed analytics dashboard for contribution tracking and campaign performance insights

Open Source

TraceRoot.AI – Merged PR #1183 | React, TypeScript, Radix UI, Jest Jun 2026

- Fixed keyboard accessibility (Escape-to-close panels, autoFocus on dialogs); debugged Radix capture-phase double-close bug by switching guard to `e.defaultPrevented`; added jsdom regression tests across 8 files through 3-round maintainer review

Projects

StreamForge – Video Streaming Platform | Node.js, React, FFmpeg, PostgreSQL, Redis, BullMQ, MinIO, Prometheus, Grafana Jan 2026
GitHub | Live

- Built HLS transcoding pipeline (FFmpeg, MinIO); benchmarked sub-3s stream start on 500 MB uploads; handled 20+ concurrent uploads via BullMQ workers and Socket.IO progress without queue starvation
- Instrumented with `prom-client` exposing `/metrics` Prometheus endpoint; built full-text search with PostgreSQL `tsvector` + `pg_trgm` and Redis-cached ranking under 80 ms on 10k rows

LinkHub – Link-in-Bio SaaS | Node.js, React, PostgreSQL, Stripe, Docker Feb 2026
GitHub

- Engineered three-tier freemium (Free/Pro/Premium) with Stripe Checkout, billing cycles, and `ProGate` feature-gate via `React.cloneElement`; built Google OAuth + JWT auth with Zustand persistence
- Built analytics tracking profile views and per-link clicks with geo and device metadata; containerised full stack with Docker and long-lived cache headers

Nexus – Multi-Agent AI Chat Platform | Node.js, TypeScript, Socket.IO, Redis, BullMQ, React, Supabase Mar 2026
GitHub | Live

- Built real-time multi-agent group chat with Socket.IO and Redis pub/sub; async pipeline (BullMQ → Redis → Socket.IO → PostgreSQL) handles concurrent agent responses without message loss
- Architected orchestration modes (battle, judge, deep-thinking) with per-room agent assignment; custom `useGroupChat` hook manages socket lifecycle, message state, and reconnection on the frontend

Technical Skills

Languages: JavaScript, TypeScript, Python, C++
Frontend: React.js, Next.js, Tailwind CSS, GSAP, Zustand
Backend: Node.js, Express.js, BullMQ, Socket.IO, WebSockets, Passport.js, Prisma ORM, Firebase
Databases & DevOps: PostgreSQL, Redis, MongoDB, MinIO, Supabase, Firestore, Docker, Prometheus, Grafana, Vercel, Render

Achievements

- **FullStack Lead, Code-Decode Club** – Designed and led a 10-day bootcamp for 80+ students covering React, Node.js, PostgreSQL, and JWT auth
- **Hackathon Magnitude 2.0** – Built AI-powered crop management platform with Gemini-based pest detection and real-time irrigation monitoring