

SHRIHARSH GAUTAM | FULL STACK DEVELOPER

Ph: 7992368064 | shriharshgautam7@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EXPERIENCE

R.R Infotech | Freelance Full Stack Developer

Jan 2026- June 2026

- Designed and implemented new features for an enterprise transport management platform, collaborating closely with the development team to improve system performance and maintainability.
- Contributed to the application's database migration by building a SQLite proof of concept to evaluate faster data retrieval and improved scalability.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript
- **Frontend:** React.js, Next.js, TanStack Query, HTML5, CSS
- **Backend:** Node.js, Express, REST APIs, tRPC, JWT, OAuth (Clerk, NextAuth)
- **Databases & ORMs:** PostgreSQL, MongoDB, Redis, Prisma, Mongoose
- **Cloud & DevOps:** AWS EC2, Docker, GitHub Actions
- **Tools:** Git, GitHub, Postman, Vercel

PROJECTS

CodeAtlas | AI Codebase Intelligence Platform | [Live](#) | [GitHub](#)

Next.js | TypeScript | PostgreSQL | LangChain | Gemini API | TanStack Query | tRPC | Stripe

- Architected a full-stack SaaS platform that connects to **GitHub** via **Clerk**-authenticated **OAuth** to ingest repositories and generate AI-powered semantic code search, commit summaries and natural-language Q&A over indexed codebases.
- Engineered a code summarization pipeline using **LangChain** and Gemini, windowing repository files per request to reduce API call volume by up to **50x**, with throttled sequential execution to respect rate limits.
- Designed a scalable **PostgreSQL** schema with **Prisma**, modeling many-to-many relationships to support collaborative, multi-tenant workspaces where teams collaborate via invite links.
- Developed a type-safe end-to-end backend with **tRPC** and integrated **Stripe** Checkout with secure webhook handling for a credit-based billing system, using atomic database operations to reliably track credit balances.
- Built reusable custom React hooks leveraging **TanStack Query** for efficient client-side state management and cache invalidation, keeping the dashboard in sync without full page reloads.

EchoFeed | Anonymous Messaging Platform with AI | [Live](#) | [GitHub](#)

Next.js | TypeScript | MongoDB | Groq | Gemini | Upstash Redis

- Developed a full-stack anonymous messaging platform using **Next.js**, **TypeScript**, **MongoDB**, and **Tailwind CSS** with personalized public messaging links.
- Implemented secure authentication and email verification using **NextAuth**, **JWT** sessions, and protected routes.
- Built an inline AI content moderation pipeline using **Gemini** with structured, Zod-validated outputs to classify messages for toxicity and harassment before delivery.
- Integrated AI-powered message suggestions using **Groq** and the **AI SDK** with structured outputs and **Zod** validation.
- Implemented sliding-window rate limiting in Next.js Edge Middleware using **Upstash Redis**, capping unauthenticated requests to **5 per minute** per client to block automated spam and prevent database overload.

EDUCATION

Sarvepalli Radhakrishnan University, Bhopal

Bachelor of Engineering (B.E) in Computer Science and Engineering

CGPA: 7.46

Aug 2019 - May 2023