

# Prakhar Gupta

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## SUMMARY

Computer Science undergraduate shipping production-grade backend systems with full-stack experience; builds scalable **REST APIs, geospatial pipelines, secure access control, with AI-driven complaint routing**, with a focus on system design, applied AI, and backend infrastructure.

## EXPERIENCE

### Back-End Developer (Intern)

Apr. 2026 – May 2026

*Bits&Bytes*

*Remote*

- Engineered a Discord-based internal operations system replacing manual coordination across **12+ cities**, serving a **1,000-member server** with **≈100 slash commands/day** — eliminated spreadsheet-driven onboarding for Fork Leads and core team entirely.
- Implemented command-driven workflows (`/fork-request`, `/pulse`, `/merge`) automating approvals, daily standups, and central-team reporting for **12+ Fork Leads** across 2 hackathons and workshops.
- Integrated a Notion-backed lead registry with Discord workflows, enabling real-time onboarding tracking and progress visibility across the core operations team.

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, C, HTML/CSS

**Frameworks:** Next.js 15, FastAPI, React, Node.js, Express.js, Tailwind CSS, discord.js

**Databases:** PostgreSQL, PostGIS (Spatial), Supabase, Redis

**Developer Tools:** Docker, GCP, Railway, Vercel, GitHub Actions, Git, Postman, pgAdmin

**APIs & Integrations:** WhatsApp Cloud API, Meta Graph API, Gemini AI, Groq API, Google OAuth, reCAPTCHA

**Concepts:** REST API Design, Role-Based Access Control (RBAC), Geospatial Databases, LLM Integration, CI/CD, Blockchain (Solana), Agile Infrastructure

## PROJECTS

### JanSamadhan — AI Powered Civic system

Mar. 2026

*Next.js 15, FastAPI, PostgreSQL, PostGIS, Gemini AI, Redis, Docker, GCP* | [Live](#) | [Demo](#) | [GitHub](#)

- Launched a civic grievance platform across **42+ categories** and **10 authorities**, serving **300+ users** and **200+ tickets**; selected for a **Delhi ward pilot**.
- Built **35+ REST APIs** on FastAPI with Redis caching and PostGIS duplicate detection; handled **4–8K requests/day** at **99.9% uptime**.
- Delivered a WhatsApp Cloud API flow with Gemini-based image classification and secure PostgreSQL access controls (**20+ tables**, **28 RLS policies**).

### Leafline — Civic Issue Reporter

Jan. 2026

*React, Node.js, Express.js, Groq API, PostgreSQL* | [GitHub](#)

- Shipped a 24-hour hackathon MVP with a Groq-powered chatbot for guided civic-issue intake and smart routing; deployed on Vercel/Render as the JanSamadhan proof-of-concept. Secured **1st place at InnovateNSUT '26**.

### Decentralised Disaster Aid Tracker

Oct. 2025

*Solana, Ganache, React, Node.js* | [GitHub](#)

- Designed a transparent NGO fund-tracking system on **Solana** using immutable on-chain transaction logs and a custom SPL token to simulate publicly auditable disaster-relief disbursements across multiple sites.

## ACHIEVEMENTS

### Indian Innovates '26 — National Grand Finale Winner

2026

*JanSamadhan AI civic grievance platform* | [\[Post\]](#)

### InnovateNSUT '26 — 1st Place

2026

*Leafline civic issue reporter* | [\[Post\]](#)

### IDEA2IPR Ideathon — 2nd Place + Official Incubation Offer

2025

*Selected for incubation post-demo* | [\[Certificate\]](#)

## EDUCATION

### Manipal University Jaipur

Jaipur, RJ

*Bachelor of Technology in Computer Science & Engineering — SGPA: 8.45/10*

*Aug. 2025 – May 2029*

### Mount Litera Zee School

Silvassa, Dadra Nagar and Haveli

*Class XII (CBSE) — PCM with Computer Science — 91%*

*May 2024*