

## APRAJITA RANJAN

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Skilled competitive programmer with razor-sharp problem-solving skills. Code-savvy developer crafting high-performance solutions with clean, scalable architecture.

### SKILLS

- ❖ Competitive Programming(900+ rated on CodeForces)
- ❖ HTML, CSS, Javascript
- ❖ PostgreSQL
- ❖ NextJS
- ❖ DSA

### EDUCATION

- ❖ BTech CSE AIML | VIT Bhopal University CGPA: 8.99 | 2027
- ❖ X(CBSE) | Oxford Public School, Ranchi 95% | 2020
- ❖ XII (CBSE) | Oxford Public School, Ranchi 93% | 2022

### PROJECTS

- ❖ **StudyWise | AI-Powered Student Management System**
  - Built with **Next.js** (App Router), **Clerk Auth**, and **Prisma**(PostgreSQL) for full- stack efficiency.
  - AI Syllabus Parser: Generates study plans from uploaded PDFs using **Python (NLP)** + **Next.js API routes**.
  - Real-time Quiz Engine: Timed tests with auto-grading.
  - Crowdsourced Notes: File uploads with Prisma-optimized queries.
  - Notifications: Exam reminders
  - Deployment: Vercel-optimizedLink: [StudyWise](#)
- ❖ **HerShield | An AI-Empowered Women Safety tool**
  - Full-Stack Foundation: React 18 + TypeScript, Zustand, Tailwind CSS
  - Emergency Response: Real-time SMS alerts with **Geolocation API**
  - AI Guardian: **Google GenAI** providing location-specific safety protocols
  - Legal Shield: Self-defense videos + Indian law database (CRUD operations)
  - Secure Access: **Clerk** auth with session persistence
  - Deployment: Vercel-optimizedLink: [HerShield](#)

### POSITION OF RESPONSIBILITY

- ❖ **President | Ganga Bhumi Club, VIT Bhopal University** ( Dec 2024-June 2025)

As President, orchestrated VIT Bhopal's vibrant cultural spectacle 'Sangam' - directed 80+ performers and crew to mesmerize 300+ attendees with electrifying performance and flawless crowd management, creating magic under pressure.
- ❖ **Research Team | AnteriX Club, VIT Bhopal University** (Sept 2024-Dec-2024)

Galvanized ANTERSTELLAR—AnteriX Club's celestial spectacle—orchestrating flawless stargazing sessions that left 200+ attendees spellbound under the night sky.
- ❖ **General Secretary | AnteriX Club, VIT Bhopal University** (Jan 2025-Present)

## ACHIEVEMENTS

### Elite Competitive Programmer

- **1st Place**, Coding Blitz '23 (Outperformed 150+ contenders)
- **ICPC Regionalist** | Contended in Regional level.
- **Codeforces (Max: 900+)** | **CodeChef 2★**
- **Top 10%** in 5+ contests | Specialized in graph algorithms