

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.

EDUCATION

Bachelor of Technology , VIT Bhopal University Branch:CSE(AIML) Current CGPA: 8.99	Expected 2027
Higher Secondary School (XII) , Oxford Public School, Ranchi Stream:PCM Percentage: 93%	2020-2022
Higher School (X) , Oxford Public School, Ranchi Percentage: 95%	2020

SKILLS

- ❖ Competitive Programming
- ❖ HTML, CSS, Javascript
- ❖ NextJS
- ❖ PostgreSQL, Prisma, Drizzle
- ❖ DSA
- ❖ Languages: C++, Java, Python

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-optimized
 - Link:[\[View Here\]](#)
- ❖ **HerShield | An AI-Empowered Women Safety tool**
 - Full-Stack Foundation: React 18 + TypeScript, Zustand, Tailwind CSS
 - 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-optimized
 - Link:[\[View Here\]](#)

POSITION OF RESPONSIBILITY/ LEADERSHIP

- ❖ **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