

# Raj Pratap Singh Gurjar

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## EDUCATION

- **Indian Institute of Technology(IIT) Patna** Patna, Bihar, India  
(BTech in Mathematics and Computing. **CPI: 8.18**) July 2024 - July 2028 (Expected)
- **Bhaskar Academy** Indore, MP, India  
Senior Secondary (Class 12<sup>th</sup>), CBSE, **Percentage: 90.6%** April 2023 - May 2024
- **Delhi Public School** Gwalior, MP, India  
Secondary (Class 10<sup>th</sup>), CBSE, **Percentage: 95%** April 2021 - May 2022

## EXPERIENCE

- **Nurtureme.ai** Remote, Palo Alto  
Full-Stack Intern May 2025 — Oct 2025
  - Built the full Doctor Portal using **React (Vite)** and **Supabase**, including authentication, team roles, quiz management, and real-time lead tracking.
  - Integrated Supabase **Edge Functions** for user onboarding, quiz submissions, and notification triggers.
  - Worked on the **database schema and RLS access logic** to support multiple doctors and team members securely.
  - Assisted in implementing **embedded chatbot-based quizzes** using React components and dynamic question rendering.

## ACCOMPLISHMENTS

- **Research Consultant, WorldQuant** – Awarded **Gold Certificate**.
- Completed the **Google Upskilling Launchpad Program** (2025), a competitive initiative focused on advancing technical and professional skills through hands-on projects and mentorship.
- **Codeforces** – Pupil (**1328**), and Placed **1,812/45,000+** in the **IICPC Codefest Prelims** (Feb 2025).
- Among only **two first-year teams** selected from **IIT Patna** to represent at SIH 2024.
- Achieved **top 0.3 percentile** in **JEE Mains 2024** (1.4M candidates) and **top 3.2%** in **JEE Advanced 2024** (250K candidates).
- Qualified for **AIME 2024** (Ranked **32/1000+** nationally) and earned **IOQM Merit Certificate** (Top **1.2%** of **250,000** candidates, 2022).

## PROJECTS

- **CharchaGram: Engagement and Discussion Forum for citizens** **Live Link Source Code**  
Tech Stack: React.js(Vite), FirebaseDB, OpenRouter API Aug 2025
  - Developed a **discussion forum platform** for structured civic debates, featuring constituency-specific posts, voting, and real-time engagement metrics.
  - Implemented **gamification layers** (Tiers, Achievements, Referrals) to encourage user participation and track contributions.
  - Built dynamic **constituency dashboards** with candidate profiles, manifesto scorecards, satisfaction polls, and local news aggregation.
  - Integrated **AI moderation and summarization** using open-source models + LLMs to filter offensive content and generate discussion insights.
  - Designed an **admin panel** for content management (blogs, news, user moderation) and ensured responsive, mobile-friendly UX.
- **Trippr: AI-Powered Travel Itinerary Generator** **Source Code**  
Tech Stack: React.js, Node.js (Express), Google Maps API, OpenRouter API March 2025

- Engineered an **AI-powered travel planning system** that generates **personalized, real-time optimized itineraries** based on user preferences and live data streams.
- Integrated **Google Maps API** which continuously ingests and updates place data (ratings, reviews, location details) for fresh and context-aware recommendations.
- Leveraged **Grok 4 Fast** via OpenRouter API to refine and summarize dynamic travel insights, enabling an **LLM interface always grounded in the latest data**.
- Built a full **frontend in React.js** with interactive cards, images, and clean UI for displaying AI-generated travel itineraries.

## SKILLS

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- **Languages:** Python, C++, JavaScript, TypeScript, SQL.
- **Frameworks & Libraries:** React, Flask, Express.js, Node.js, NumPy, TensorFlow, scikit-learn, spaCy, LangChain, TailwindCSS.
- **Tools & Platforms:** Git, VSCode, Supabase, Postman, Firebase, Google Cloud, OpenRouter, Docker, n8n (Workflow Automation).
- **Relevant Courses:** Design and Analysis of Algorithms, Data Structures, Probability Theory, Differential Equations, Linear Algebra, Foundations of Programming.
- **Interests:** Applied Machine Learning, AI Product Development, AI Agents & Automation, Scalable Web Architecture.