

RAJ PRATAP SINGH GURJAR

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EDUCATION

Indian Institute of Technology, Patna

B.Tech in Mathematics and Computing

Expected July 2028

Current CPI: 8.34/10.0

Bhaskar Academy, Indore

Class XII – CBSE – 90.6%

April 2024

Delhi Public School, Gwalior

Class X – CBSE – 95%

June 2022

SKILLS

Languages: C/C++, Python, JavaScript, HTML/CSS, SQL, LaTeX

Tools: Git, VS Code, PyCharm, Postman, MATLAB

Frameworks: Flask, Next.js, TensorFlow, OpenRouter

Algorithms: TSP, Dijkstra's, Backtesting Pipelines, Dynamic Programming

EXPERIENCE

WorldQuant | *Research Consultant*

Feb. 2025 – Present

- Developed alpha strategies for US and China stock markets using ML models.
- Integrated RESTful APIs for real-time data analysis.

Schoolhouse.world | *Tutor*

Dec. 2023 – Feb. 2024

- Founded Competitive Programming Series with 90%+ accuracy rating.
- Tutored over 20 students in STEM subjects (Computer Science, Math).
- Received 10+ certifications and positive feedback.

NJACK, Competitive Programming Club | *Member*

July 2024 – Present

- Highest-rated 1st-year Codeforces competitor (1300+).
- Contributed to open-source problem sets and CP tutorials.

PROJECTS

• **Trippr** | *React, Flask, PostgreSQL, OpenRouter, JWT*

Mar. 2025

- Built travel itinerary generator using TSP and Dijkstra's algorithm.
- Integrated OpenRouter and RapidAPI for real-time data handling.
- Implemented caching and session management to reduce API latency by 25%.
- Secure user authentication with OAuth and JWT tokens.
- Developed an admin dashboard for monitoring user activity and analytics.

• **EduAid** | *Next.js, Flask, MongoDB, NLP*

Feb. 2025

- AI-based quiz generator using NLP models for tailored learning.
- Integrated Flask backend with MongoDB for data storage.

ACHIEVEMENTS

- Ranked **557** out of 27,000+ participants in CodeChef Starters 157.
- Ranked **1812** rank out of 45,000+ participants in Inter IIT Competitive Programming Conclave **Codefest 2025**.
- Achieved **JEE Advanced 2024** rank **8085** out of **2.5 lakh** candidates
- Achieved **99.7 percentile** in **JEE Mains 2024** ranking in top **0.3%** out of **1.5 Million** candidates
- Received WorldQuant Challenge Gold Certificate for top-tier performance.
- Achieved Codeforces Rating of **1300+**.
- Qualified AIME; AMC Distinction Award (Country Rank 32).
- Received IOQM Merit Certificate 2022 ranking in approx Top 0.8% nationally.