# Pratham Chaurasiya

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## Education

**Indian Institute of Technology (Indian School of Mines), Dhanbad**  Expected May 2026
*Bachelor of Technology in Electronics and Communication Engineering (CGPA: 7.77 / 10.00)*  *Dhanbad, Jharkhand*
- **Relevant Coursework:** Data Structures and Algorithms (C++), Introduction to Computer Programming (C), Operating Systems, Database Management Systems, Object-Oriented Programming.

**Arihant Public School, Kota**  2021 – 2022
*Class XII, CBSE (Percentage: 93%)*  *Kota, Rajasthan*

## Projects

**BrieflyAI** | *Node.js, React.js, JavaScript, MongoDB, Axios, JWT, Tailwind CSS, Cohere API*  GitHub Link Live Project
- Built an AI-powered summarization platform using the Cohere API, supporting 7 summary modes and shared summarization features.
- Implemented a friend request and group summarization system, enabling collaborative sharing and instant access to shared summaries.
- Designed a secure and scalable backend with 25+ RESTful APIs, JWT authentication, and role-based access control, ensuring a modular and reliable architecture.

**ChatConnect** | *Node.js, Socket.io, React.js, JavaScript, MongoDB, Axios, JWT, Tailwind CSS*  GitHub Link Live Project
- Engineered a real-time chat platform using Socket.io and WebSockets, supporting one-to-one (1:1) and group messaging for 50+ concurrent users.
- Implemented secure authentication using JWT and HTTP-only cookies with a 1-hour session timeout, and built admin-level group management, and 20+ API endpoints.
- Optimized MongoDB queries and server load handling, reducing message latency and achieving high uptime post-deployment on Render.

## Technical Skills

- **Languages:** C, C++, JavaScript, HTML, CSS
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Bootstrap, Material UI, Tailwind CSS
- **Databases:** MongoDB, MySQL
- **Tools & Platforms:** Git, Bash, Postman
- **Core Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Database Management Systems (DBMS)

## Achievements

- Qualified for Round 2 of the Smart India Hackathon (SIH) 2024.
- Placed 197th in Codeforces Round 1029 (Div. 3), 809th in Codeforces Round 1042 (Div. 3), 704th in LeetCode Biweekly Contest 138, 438th in LeetCode Biweekly Contest 166, 178th in CodeChef Starters 199 (Div. 2), and 169th in CodeChef Starters 202 (Div. 2).
- Secured All India Rank (AIR) 4961 in JEE Advanced 2022 and AIR 7751 in JEE Main 2022.

## Competitive Programming

- **Codeforces:** Btech_Griever — **Rating:** 1573 (Specialist) — **Problems Solved:** 550+
- **LeetCode:** Pc_286 — **Rating:** 1967 (Knight) — **Problems Solved:** 450+
- **CodeChef:** pc_286 — **Rating:** 1772 (3-star)