

SAUMYA PRATAP SINGH

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Saumya Pratap Singh

Saumya101203

Education

Indian Institute of Technology, Patna

Bachelor of Technology in Artificial Intelligence and Data Science

Dr. Virendra Swarup Education Centre, Avadhपुरi, Kanpur

Council for the Indian School Certificate Examinations

Dr. Virendra Swarup Education Centre, Avadhपुरi, Kanpur

Council for the Indian School Certificate Examinations

Nov. 2022 – May 2026(expected)

CPI: 8.02

Jun. 2019 – May 2021

Percentage: 98.75%

Apr. 2017 – May 2019

Percentage: 96.6%

Projects

- **Twitube - Subscription-Based Video Sharing Platform** (*MERN Stack, Cloudinary*) Demo: [Link](#) Github Link: [Link](#)
 - Developed a subscription-based video-sharing platform allowing users to upload videos with essential details like name, description, video file, and thumbnail.
 - Integrated functionality for users to like videos, subscribe to channels, and view the total number of video views, enriching user interaction and engagement.
 - Enabled users to post tweets, which are visible to anyone on their channel, promoting community engagement and real-time updates.
 - Allowed users to personalize their channels by customizing their avatar image, fostering individuality and enhancing user experience.
 - Users can access a "subscriptions" tab to view and interact with the latest content from channels they are subscribed to, ensuring a streamlined and personalized content feed.
- **Snappy - Real Time Chat App with Chatbot** (*MERN Stack, Socket.io, Cohere API*) Demo: [Link](#) Github Link: [Link](#)
 - Designed and developed a full stack real-time chat application with AI-powered chat bot integration, leveraging React for the front-end and Node.js for the back-end.
 - Implemented robust one-on-one messaging capabilities alongside favorable personalization features like custom avatars; contributed directly to elevating average session durations across all active channels in the application ecosystem.
 - Integrated Cohere API for intelligent chat bot responses, enabling context-aware, real-time assistance, and improving engagement.

Accomplishments

- **Specialist** on Codeforces with max rating **1422**. **Profile Link**.
- **3 Star Coder** on Codechef with peak rating **1715**. **Profile Link**.
- Secured a global rank of **118** in **CodeChef Starters 105(Div. 3)** among **3,000+** active participants.
- Secured a global rank of **185** in **CodeChef Starters 102(Div. 3)** among **3,000+** active participants.
- Secured a global rank of **1805** in **Codeforces EPIC Institute of Technology Round Summer 2024 (Div. 1 + Div. 2)** among **30,000+** active participants.
- Secured an All India Rank of **2570** out of more than **8 lakh** candidates in **JEE Mains 2022**
- Secured an All India Rank of **4026** out of more than **1.5 lakh** candidates in **JEE Advanced 2022**

Skills / Relevant Coursework

- **Technical Skills:**
 - **Programming Languages:** C/C++, JavaScript.
 - **Web Development:** HTML, CSS, Node.js, React.js, Express.js, Socket.io, Tailwind CSS, Mongoose.
 - **Databases & Tools:** MySQL, MongoDB, Git/GitHub, XAMPP, Postman, Appwrite, Cloudinary.
 - **Operating Systems:** Windows, Linux.
 - Familiar with Object-Oriented Programming (OOP).
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Linear Algebra, Probability Theory, Optimization Techniques, Mathematical Statistics.

Experience/Extracurricular

Sub-Coordinator at Infinito 2023 (Sports Fest, IIT Patna)

Apr. 2023 – Oct. 2023

- Secured sponsorships and led marketing campaigns, driving successful fundraising for the sports fest.