

Rishabh Gupta

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Education

Indian Institute of Technology (Indian School of Mines), Dhanbad

M.Sc.: Mathematics and Computing

July 2024 - Present

Dhanbad, Jharkhand

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat, Database Management Systems, Advanced Numerical Methods w/Computational Applications(C++)

Chhatrapati Shahu Ji Maharaj University, Kanpur

B.Sc.: Mathematics, Physics and Chemistry

Aug 2020 - June 2023

Kanpur, Uttar Pradesh

- **Relevant Coursework:** Real Analysis, Group Theory, Ordinary Differential Equations

Experience

Summer Intern

IIT Guwahati

May 2025 - Present

Guwahati, Assam

- Worked on a research-focused project in Spectral Graph Theory under academic mentorship, exploring the relationship between graph structure and eigenvalues of associated matrices.

Karmajyoti NGO

Coordinator and Mathematics Faculty

Aug 2024 - Present

Dhanbad, Jharkhand

- Provided individualized tutoring to struggling unprivileged students in calculus, algebra, geometry, trigonometry, and other mathematics courses.

Chegg India

Advanced Math Doubt Expert

April 2024 - Present

remote

- Promoted high customer satisfaction by resolving problems with knowledgeable and friendly service.

Bindal Classes

JEE Mathematics Faculty

December 2024 - February 2025

remote

- Provided high-quality and study material on their website.

Genius People

Educational Youtube Channel

Sep 2020 - Present

remote

- Uploaded informative videos on various topics.

Projects

Movie ticket Booking System | HTML, React.js, MySQL

- Led a college project to develop a movie ticket booking system, managing backend development and coordinating team efforts.
- Designed and implemented the database using MySQL to handle user data, movie schedules, seat availability, and booking history.
- Implemented real-time seat selection logic and improved booking accuracy through efficient database queries and validations.

Technical Skills

Languages: C, C++, Python, Matlab, Sql

Concepts: Operating Systems, Database Management Systems, Data Structure Algorithms

Achievements

- IIT JAM(Mathematics) 2024 AIR 408