Rahul Ahuja

Roll No.: B23CH1037
Departmental Rank: 6 (Current)
Bachelor of Technology in Chemical Engineering
Indian Institute Of Technology Jodhpur
Expected Graduation: May 2027

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GitHub
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology Jodhpur	8.15 (Current)	2023–Present
Senior Secondary	CBSE Board	93.4%	2022
Secondary	CBSE Board	87.6%	2020

Experience

•JEE Mentor
Exprto and Mentor Prep June 2025 – present
– Mentored 12+ students throughout their JEE preparation, providing academic guidance and strategic support.

•Executive Member
Department of Chemical Engineering, IIT Jodhpur Oct 2024 – May 2025
– Contributed to department-level coordination, events, and academic initiatives.

•Assistant Head – Public Relations
IGNUS, IIT Jodhpur Jan 2025 – Mar 2025
– Managed outreach and communication for North-West India's largest socio-cultural fest.

•Core Team Member
Respawn – Esports Club, IIT Jodhpur Aug 2024 – May 2025
– Planned and executed campus eSports events and community engagement initiatives.

Projects

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JARSafari – Campus Navigation App GitHub
Designed and developed a navigation app tailored for IIT Jodhpur with live GPS tracking, multi-stop routing, favorites, and smart autocomplete.

– Implemented core DSA concepts for optimized pathfinding and real-time updates.
– Tech Stack: React Native, JavaScript, Expo Go

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Comic Studies Lab – Website Development Supervision: Dr. Natasa Thoudam & Asst. Prof. Sumit Kalra
GitHub
Contributed to building the Comic Studies Lab website from scratch, focusing on frontend development and user experience.

– Designed responsive UI/UX in Figma and translated it into interactive components.
– Tech Stack: React Native, JavaScript, Figma, Expo Go

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Student Performance Prediction – ML Project GitHub
Built and trained ML models to predict student performance using academic records, study patterns, and extracurricular involvement.

– Handled data preprocessing, feature engineering, and model evaluation (Random Forest, etc.).
– Tools & Libraries: Python, Google Colab, Pandas, NumPy, Scikit-learn, Matplotlib

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Nanoparticle Stability Research – SiO Study Supervision: Dr. Vikky Anand
Project Link
Conducted lab experiments on the colloidal stability of SiO nanoparticles using Turbiscan analysis.

– Analyzed dispersion behavior over time to understand sedimentation and flocculation.
– Tools Used: Turbiscan Lab Expert, standard lab apparatus (pipettes, cuvettes, beakers)

Technical Skills

- **Programming:** C/C++, Python, JavaScript
- **Web Skills:** HTML/CSS/JS, ReactJS
- **Tools & Libraries:** VSCode, Github, Figma, Expo Go, SolidWorks, NumPy, Pandas
- **Hardware:** Turbiscan

Achievements

- Secured **A grade** in *Introduction to Electrical Engineering(EEL1010)*
- Secured **A- grade** in *Introduction to Machine Learning(CSL2010)*
- Secured **A- grade** in *Data Structures and Algorithms (CSL2020)*

Certifications

- **Mastering Data Structures & Algorithms using C and C++ (Udemy)** Certificate