Ridhima Gupta

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EDUCATION

Iowa State University   Ames, IA
Bachelor of Science, Computer Engineering   Expected Grad.: May 2028
Cumulative GPA: 3.7

The Khaitan School   Noida, India
High School Diploma   May 2024
Cumulative GPA: 3.5

PROJECTS

Model Train Simulation   Spring 2025
Java | OOP | Inheritance & Interfaces

- Built a full-featured train system simulation using modular components
- Designed an abstract class structure with interface-based path traversal and real-time state transitions

Boulder Puzzle Solver   Spring 2025
Java | Recursion | Grid Simulation

- Developed a recursive path-finding algorithm for grid-based boulder puzzles with directional movement and win-state detection
- Handled edge cases, immutability, and state cleanup between moves

LEADERSHIP AND INVOLVEMENT

Internship, *Jisons Healthcare - Social Media Marketing*   Noida, India

- Earned first-hand knowledge and experience with social media campaigns   October 2023
- Helped in advancing company strategies through social networking

Student Rotary Club, *Head of Editorial Board*   The Khaitan School Noida
                                                                                                                            June 2023 - March 2024

- Oversaw and worked with a team of 5-6 members to ensure quality work done for all volunteer groups under the school wing

Unplugged X, *Inter-school Tech week competition*   The Khaitan School Noida

- Organized and participated in multiple-tech competitions   June 2023
- Web-designing (Java), Video editing (Premiere pro)

VOLUNTEER EXPERIENCE

- **Blood Donation Camp Organizer** (Jun 2023): Recruited donors and led operations
- **NGO Book & Food Drive** (Jul 2023): Donated books, toys, and food to 200+ underprivileged children as part of a team initiative.
- **Event Food Stalls Coordinator** (2023–24): Raised funds for local charity efforts

TECHNICAL SKILLS

- Languages: Java, Python, C, C++, HTML, SQL, MATLAB
- Tools: Adobe Premiere Pro, After Effects, Photoshop
- Soft Skills: Teamwork, Leadership, Time Management, Problem Solving

CAMPUS INVOLVEMENT

Iowa State University:

- Dean's List, Honors Club
- Women in STEM & Engineering (WiSE), Entrepreneurship Club, AIAA Chapter