



**Krishna Agarwal**  
Bachelor of Technology  
in Computer Science and Engineering  
Indian Institute Of Technology, Ropar

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## EDUCATION

| Degree                 | Institute/Board                       | CGPA/Percentage     | Year      |
|------------------------|---------------------------------------|---------------------|-----------|
| Bachelor of Technology | Indian Institute of Technology, Ropar | 9.12 (Till 2nd Sem) | 2023-2027 |
| Senior Secondary       | Central Board of Secondary Education  | 96.8%               | 2023      |
| Secondary              | Central Board of Secondary Education  | 98.6%               | 2021      |

## PROJECTS

- **Thread Flip** July 2024 - Present  
*Running* **Github**
  - As part of a team project, developed an e-commerce page for thrifting and renting using the React framework.
  - Created and designed the homepage, including featured products and navigation elements.
  - Implemented product pages with detailed descriptions, images, and pricing information and a wishlist feature to allow users to save and manage their favorite items.
- **Sorting Visualizer** July 2024  
**Github**
  - Built an interactive web-based sorting visualizer using HTML, CSS and JavaScript.
  - Coded and visualized popular sorting algorithms like Bubble Sort, Merge Sort, Quick Sort, and Insertion Sort to enhance user understanding of sorting techniques.
  - Added user interaction controls to allow dynamic adjustments of array size, sorting speed, and algorithm selection, offering flexibility in visualization.
- **Sudoku Solver** August 2024  
**Github**
  - Built a fully functional Sudoku solver application using React, enabling users to solve Sudoku puzzles with a user-friendly interface.
  - Utilized the backtracking algorithm to efficiently solve Sudoku puzzles in real-time, ensuring accurate and fast solutions.
  - React's state management to handle user inputs, validate puzzle entries, and track the solving process dynamically.

## TECHNICAL SKILLS

- **Programming Languages:** Python, C++, HTML, CSS, JavaScript
- **Areas of Interest:** Data Structures and Algorithms, Competitive Programming
- **Soft Skills:** Public Speaking, Event Management, Team Work, Leadership, Professional Communication

## KEY COURSES TAKEN

- **CSE & Maths:** Discrete Math, Linear Algebra, Calculus, Introduction to Computing and Data Structures
- **Others:** Professional Communication, History of Technology
- **Running:** Data Structures, Digital Logic Design, Differential Equations, Signals and Systems, Economics

## POSITIONS OF RESPONSIBILITY

- **Media and Outreach Co-ordinator**, Dance Club, IIT Ropar June 2024 - Present
- **UG Mentor**, Indian Student Mentorship Programme , IIT Ropar July 2024 - Present
- **Web Development Team**, Indian Student Mentorship Programme , IIT Ropar May 2024 - June 2024

## MISCELLANEOUS

- **Institute Scholarship**, Recieved Institutional Merit Scholarship for being in **top 7** percent of the batch 2023
- **Myntra HackerRamp:WeForShe 2024**, Selected from a pool of **29,643** candidates to advance to the top **1,214** 2024
- **JEE Advanced 2023 - AIR 4212**, 2023
- **JEE Mains 2023**, Secured a percentile of **99.67** 2023