



# Chirag Tayal

Bachelor of Technology  
in Electrical Engineering  
Indian Institute Of Technology, Ropar

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GitHub | Website  
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LeetCode

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.92 (Till 4th Sem)	2023-Present
Senior Secondary	Central Board of Secondary Education	94.6%	2023
Secondary	Central Board of Secondary Education	93.6%	2021

## PROJECTS

- Student Management System(C++)** May 2025 - June 2025  
*Console-based CLI tool with file handling* **GitHub**
  - Designed a full-featured student record management system using file I/O and object-oriented programming principles
  - Supported sorting, searching, grade calculation, input validation, and CSV export.
- To Do List Web App(Full Stack)** Apr 2025 - June 2025  
*MongoDB-Express-Node Full Stack Practice Project* **Live Demo | GitHub**
  - Developed a full-stack To-Do List application with persistent task storage using Node.js, Express, and MongoDB.
  - Built dynamic frontend with HTML, CSS, and vanilla JavaScript to add, delete, and update tasks in real-time.
  - Implemented RESTful API endpoints for creating, reading, updating, and deleting (CRUD) tasks on the backend.
  - Used MongoDB with Mongoose for schema-based task management and data persistence.
- Web Media Player with Lock Screen Controls** May 2025  
*Web API Exploration Project Frontend* **GitHub**
  - Developed a custom web-based media player with a dynamic playlist, playback controls, and responsive UI.
  - Integrated **Media Session API** to support hardware-based lock screen media controls (play/pause/next/previous).
  - Implemented real-time metadata updates including song title, artist, and album art for enhanced user experience.
- Personal Portfolio Website** June 2025  
*Frontend Web Dev Practice Project* **GitHub**
  - Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase projects, skills, and resume.
  - Implemented responsive layout, animated transitions, toggleable navigation menu, and integrated social/contact icons.

## TECHNICAL SKILLS

- Programming Languages:** C++, Python, Javascript
- Frontend:** Html, Css, Javascript, Basic Bootstrap
- Backend:** NodeJS, Express, MongoDB
- Development Tools:** Basic Git, GitHub, VS Code
- Other:** Data Structures and Algorithm(C++), Responsive Design, Media Session API, Arduino (Tinkercad), Basic Canva

## KEY COURSES TAKEN

- CSE & Maths:** Intro to Computing and Data Structures, Calculus, Linear Algebra, Differential Equations, Probability And Stochastics
- Others:** Signals And Systems, Digital Circuits, Basic Electronics, Circuit Theory, Control Engineering, Electromechanics, Economics

## POSITIONS OF RESPONSIBILITY

- Representative**, Table Tennis Club, IIT Ropar Apr. 2024 - Apr. 2025
- Coordinator**, ESportz Club, IIT Ropar Apr. 2024 - Apr. 2025
- Event Coordinator**, Revanche(First Gaming Fest), IIT Ropar Jan. 2024 - Feb. 2024

## ACHIEVEMENTS

- JEE Mains**, AIR 5910 in JEE Mains
- JEE Advanced**, AIR 5832 in JEE Advanced
- Table Tennis Player**, Represented school in district and state competitions
- LeetCode DSA Practice**, Solved 140+ problems focusing on algorithms and data structures