

# Ridham Garg

[ridham2272.be23@chitkara.edu.in](mailto:ridham2272.be23@chitkara.edu.in)

[linkedin.com/in/ridham-garg](https://linkedin.com/in/ridham-garg)

[github.com/Codegarg](https://github.com/Codegarg)

## Education

**Chitkara University, Patiala**

**2023 – 2027**

*Bachelor of Engineering in Computer Science Engineering*

## Relevant Coursework

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- System Design Fundamentals
- Object-Oriented Programming
- Database Management Systems
- Software Engineering

## Experience

**GDG CIET**

**Sep 2024 – Present**

*Core Team Member*

- Collaborated with developers in an agile team environment to organize and deliver technical workshops.
- Applied structured problem-solving, communication, and teamwork skills under strict timelines.
- Worked across planning, execution, and troubleshooting phases of technical initiatives.

**IEI CIET**

**Sep 2023 – Present**

*Web Head*

- Owned and maintained production-ready web applications following SDLC best practices.
- Performed coding, testing, debugging, and documentation to improve reliability and performance.
- Supported issue investigation, maintenance, and enhancement of existing systems.
- Collaborated with multiple stakeholders in a fast-paced, team-oriented environment.

## Projects

**HireScope — AI Powered ATS & Interview Assistant**

*React, Node.js, PostgreSQL, Socket.IO*

- Designed and developed a secure, scalable web application following full software development lifecycle practices.
- Implemented AI-driven resume analysis and real-time interview preparation features.
- Developed RESTful APIs, performed database integration, and optimized queries for performance.
- Conducted testing, debugging, and documentation to ensure software quality and reliability.

**ChainXchange — Crypto Trading Platform**

- Developed backend components using structured programming and modular design principles.
- Improved system responsiveness through API optimization and performance tuning.
- Assisted in troubleshooting and resolving functional and performance issues.

**Bigg Boss Voting Zone — Real-Time Application**

- Built a high-concurrency, real-time system with secure data handling.
- Worked with databases and authentication mechanisms to ensure consistency and reliability.
- Secured **3rd Prize** at Tech Abhivyakti 2.0.

## Technical Skills

**Programming Languages:** C++, Java, Python, JavaScript

**Web Technologies:** HTML, CSS, React, Node.js, Express.js, REST APIs

**Databases:** PostgreSQL, MongoDB, Firebase, SQL

**Tools & Platforms:** Git, GitHub, Docker (containerization basics), Postman, Vercel, Render

**Engineering Practices:** Software Development Life Cycle (SDLC), Data Structures & Algorithms, Object-Oriented Programming, System Design Fundamentals, Testing & Debugging, Performance Optimization, CI/CD Basics, Agile Development

## Leadership / Extracurricular

- Led and coordinated web development initiatives across student technical communities.
- Demonstrated strong communication skills and ability to work in global, team-based environments.