

Ridham Garg

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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.