



# Ashish Sharma

B.TECH(Hons)  
Computer Science and Engineering  
Chandigarh University,Gharuan

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Chandigarh University, Gharuan	8.68	Jul 2021- Jun 2025
Intermediate (12th Grade)	K.R.D.A.V PUBLIC SCHOOL	95.4%	2021
Matriculate (10th Grade)	K.R.D.A.V PUBLIC SCHOOL	93.4%	2019

## EXPERIENCE

### • Backend Developer

*Jai Japnaam Technology Pvt. Ltd.*

April 2025 – Present

- Designed and implemented RESTful APIs for **HRMS**, ensuring secure and scalable architecture.
- Built and integrated **15+ RESTful API endpoints**, supporting real-time data exchange between client and server.
- Reduced response time from backend services by **over 20%** through query optimization and middleware tuning.
- Led database schema design for **4 major features**, supporting geolocation, user tracking, and search filtering.
- Coordinated with a cross-functional team across **2 departments** (design and frontend) to ship features ahead of deadlines.
- **Tech Stack:** Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, Postman, REST API

## PROJECTS

### • MapDekh – Real-Time HRMS & Location Tracking System

- Engineered a full-stack solution combining real-time employee location tracking with geofenced attendance validation and HRMS features such as OTP-based login, leave management, and salary tracking, achieving a 20% performance boost through middleware optimization..
- **Tech Stack:** Node.js, Express.js, MongoDB, React Native, Firebase, Leaflet,OSM

### • Hospital Management System

*Innovated a personalized console based application, billing upto 1000 patient entries and doctors profiles.*

[Link.](#)

- Developed a C++ console-based application capable of managing 1,000+ patient and doctor records, including modules for appointments, staff, ambulances, and billing, leveraging OOP principles and file handling.
- **Tools & technologies involved:** C++, OOPS, File Handling, IDE.

### • ONLINE EXAMINATION PROCTORING SYSTEM

*Designed a system to ensure fair online examinations, reducing instances of malpractice by 50%.*

[Link.](#)

- Built a smart proctoring tool integrating facial recognition and object detection to monitor candidates in real-time, reducing malpractice by 50% and automating anomaly detection with 90% accuracy.
- **Tools & technologies used:**Python, OpenCV, Version Control,Mediapipe,tkinter.

## TECHNICAL SKILLS

- **Programming:** C++,C,Python, MYSQL,HTML,CSS,DATABASE,NODEJS, REACT, MONGODB
- **Tools & OS:** Git, Linux, Windows
- **Libraries/Frameworks:** Tkinter, MySQL, XAMPP
- **Computer science fundamentals:** DBMS, Data structures and algorithms,Operating system

## ACHIEVEMENTS

- **Competitive Programmer**Achieved high rankings on Codeforces, solving over 700 problems and got top 3000 rank.
- **Specialist Rank on Codeforces, 5-Star Coder on HackerRank**Recognized for proficiency in competitive programming.
- **2024 Published a Research Paper in IRJET**Focused on research and innovation with 2 papers.
- **2022 skilled in Speech Competition**Ranked among the top 10 for effective communication and public speaking.
- **2021 NPTEL Certified in C++**Validated C++ proficiency with 75 percent in NPTEL certification
- **2021 trained in Python** Achieved Python certification with a perfect score of 100 percent
- **2018 Ranked 2nd in English Olympiad (National English Organisation)**Demonstrated strong language skills.