

# Gagan Bansal

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## SUMMARY

Passionate Computer Science student with a strong foundation in coding and problem-solving

## EDUCATION

**Chitkara University, Chandigarh, B.E in Computer Science** | Chandigarh, India CGPA: **9.75 / 10** May 2026\*

**Baba Bilasgar Public School, Non-Medical Science** | Tohana, India Marks: **80%** June 2022

## SKILLS

Courses	Data Structures and Algorithms, System Design, CN, OS, DBMS, OOPs
Languages	Proficient in C/C++ and JavaScript; familiar with Python
Web Expertise	HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, SQL, MongoDB, React.js, Express.js, Node.js
Tools	Visual Studio Code, Jupyter Notebook, Git, Canva, Figma, Linux, TensorFlow, OpenCV
Machine Learning	Scikit-Learn, NumPy, Pandas, Regression, Support Vector Machines, Decision Trees, Cluster Analysis

## PROJECTS

### Market Minds MERN + Machine Learning, Redefining stock websites with predictions

- Developed a MERN stack application to provide real-time stock prices using external APIs.
- Integrated a machine learning model for predictive analysis of stock trends for major companies.
- Enhanced user experience with interactive data visualization and personalized prediction features.

### Team Mate MERN, An e-study platform with online meetings and chat box features

- Designed and developed a comprehensive online collaboration platform inspired by Microsoft Teams and Google Meet.
- Implemented real-time chat functionality akin to Teams for seamless communication between users.
- Integrated video meeting capabilities allowing users to conduct virtual meetings and share screens.

### Delhi Metro Optimization System C++ , A software for optimizing Delhi Metro operations

- Developed algorithms to optimize Delhi Metro operations, focusing on route planning and scheduling.
- Implemented real-time data integration for efficient passenger management and crowd control.
- Utilized C++ for robust software development and system integration.

### Sudoku C++ , A game of Mind-bending puzzles for all

- Implemented backtracking algorithm for solving Sudoku puzzles, ensuring efficient and accurate solutions.
- Utilized some efficient algorithms for solving Sudoku puzzles, ensuring accurate solutions.

## POSITION OF RESPONSIBILITY

### ACM - Chitkara University

Web Team

Sep 2023 - present

- Actively volunteering in the study group for **Frontend Web Development** and building the website for the ACM CUIET Club.
- Assisting students in learning HTML, CSS, **JavaScript**, and **React**.

### Google Cloud Student Community

Sep 2023 - Oct 2023

- Gained hands-on experience with **Google Cloud Platform** and completed 10+ labs on **Qwiklabs**.
- Developed comprehensive knowledge and practical skills in utilizing **Google Cloud services** effectively.

## EXTRA-CURRICULAR

### Finalists – Smart Cataloging Hackathon by ShopClues

Selected in the Top 5 among 70+ teams. Chandigarh, India, 2024

### Top 10 Students – CS Department

Ranked in the top 10 among 2000+ students in the department

### 5th Rank – Code 360 by Coding Ninjas

Achieved 5th rank in College leaderboard among 1200+ students. Remote, 2023