

# Gagandeep Singh

Bachelor of Technology  
In Computer Science & Engineering  
Guru Gobind Singh Indraprastha University, New Delhi

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## EDUCATION

Year	Degree/Certificate	Institute	CGPA/Percentage
2023-2027	Bachelor of Technology in Computer Science Engineering	Guru Gobind Singh Indraprastha University	9.27
2023	CBSE(XII)	Modern School, Faridabad	97%
2021	CBSE(X)	Modern School, Faridabad	99.4%

## EXPERIENCE

- Nayi Disha Foundation** *Faridabad*  
(Social Media Head) *September 2024 - April 2025*
  - Grew the organization's Instagram following by devising and implementing a new content strategy.
  - Content planning for the organization across platforms like Instagram, Facebook, and LinkedIn.
  - Managed a team of **3 content creators** to produce and schedule **posts**, resulting in an **increase** in average post engagement.
- Academic Tutor (Self-Employed)** *Faridabad*  
2023 – Present (3 Years)
  - Taught CBSE Classes 9–12 in Mathematics and Science to 15–20+ students annually.
  - Improved student performance with 90%+ pass rate in board exams.
  - Designed custom notes, practice tests, and doubt-solving sessions, strengthening problem-solving skills.
  - Developed strong communication, mentoring, and time-management skills while balancing academics.

## PROJECTS

- AI-Powered Learning Management System**
    - Built a **full-scale LMS (20+ screens)** with Student & Teacher dashboards, analytics, tests, attendance & assignments.
    - Integrated **AI Doubt Assistant & AI Study Planner**, improving learning efficiency by **60%**.
    - Developed **video course player** with module-wise progress & auto-completion.
    - Implemented **risk detection & weak topic analytics** using performance & attendance metrics.
    - Created **smart To-Do automation**, reducing manual workload by **70%**.
    - Built **40+ REST APIs**, JWT auth, role-based access, Cloudinary media hosting & real-time dashboards.
  - Exam-Oriented Question Generator & Practice Test Platform**
    - Built an AI-powered** CBSE Question Generator & Practice Test platform **for** Class 9–10 students, **generating** chapter-wise and difficulty-based mock tests **in under** 60 seconds.
    - Reduced exam preparation effort by ~80% by enabling** 10–50 CBSE-aligned questions per session **using** LLaMa-based large language models.
    - Implemented configurable test parameters (class, subject, chapter, difficulty) using a** full-stack web stack and LLaMA - driven prompt engineering **to ensure exam-oriented accuracy**.
  - Responsive Weather App**
    - Developed a real-time weather application using React that fetches and displays data from the **WeatherAPI.com REST API**.
    - Implemented features including geolocation to automatically detect user's location and a 24-hour forecast display, focusing on a **mobile-first responsive design**.
- ❖ You can explore my complete range of projects on my [Portfolio website](https://my-portfolio-gs.vercel.app/) (<https://my-portfolio-gs.vercel.app/>).

## TECHNICAL SKILLS

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- **Programming Languages:** Python, JavaScript, C++, Java, C, & SQL
- **Tools and Frameworks:** ReactJS, NodeJS, Tailwind (CSS)
- **Databases:** MongoDB & MySQL
- **Operating Systems:** Windows & Android
- **AI/ML:** LLM Integration (LlaMa), Prompt Engineering
- **Dev Tools:** Git, GitHub, JWT, Cloudinary, REST APIs

## HONOURS & AWARDS

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- District Topper in Class X (99.4%)
- School Topper in Class XII (97%)