

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

1. **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.
2. 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

1. **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.
2. **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.
3. **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

- **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

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