

MIHIRA GUPTA

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Education

Punjab Engineering College, Chandigarh

2023 – 2027

Bachelor of Technology in Computer Science

CGPA: 9.61

Shri Guru Harkrishan Model School, Sector 38, Chandigarh

March 2023

Senior Secondary, CBSE

Percentage: 97.4

Yadavindra Public School, SAS Nagar, Mohali

2021

Secondary, ICSE

Percentage: 96.8

Skills

- Programming languages: C++, Java, JavaScript
- Web development: Node.js, Express.js, Socket.IO, Cloudinary
- Databases: MongoDB
- Computer Fundamentals: Data Structures and Algorithms, OOPs, Computer Networks, Operating Systems
- Other skills: GitHub, RESTful API development, VS code, Postman
- Soft skills: Communication, Event Management and Organising, Content Writing

Projects

HostelBuddie – A portal app addressing hostel-related needs with roommate matchmaking (via ML), lost-and-found, and buy/sell academic material features.

Node.js, MongoDB, React.js, Flask, Python

- Designed and implemented **backend architecture** with secure authentication, efficient data handling, and optimized API performance..
- Built **10+ RESTful APIs** for roommate matching, lost-and-found, and buy-and-sell features.

EntreConnect (A full-stack platform empowering entrepreneurs to connect, pitch, and grow through smart matchmaking, AI-driven feedback, and real-time support)

Cloudinary, Node.js, Socket.IO, MongoDB, React.js, Flask, Python

- Implemented the **chatbox** and **persistent chats** using socket IO.
- Enabled video uploads for the **"Perfect Your Pitch"** feature using Cloudinary, with automated audio extraction and transcription via Deepgram.
- Integrated Gemini to provide **AI-generated feedback** on pitch quality, helping users refine their delivery.
- Designed a **dynamic entrepreneur ranking system** by calculating a weighted score based on startup stage, team size, experience, and investor feedback to surface top 20 profiles.

Positions of Responsibility

Implementation Body Member, ACM-CSS (Coding Society, PEC)

October 2024 - present

Core Member, ASPS (Astronomy and Space Physics Society)

September 2023 - present

- Collaborated in the Hospitality and Logistics Committee by managing 50+ attendees and **compered** at Astronomix 2024 (flagship event hosted by ASPS).

PR and Media Subhead for PECFEST 2024 (Cultural and Technical fest at PEC)

November 2024

- Contributed by writing more than 10 captions and the overall press release.

Achievements

- One of the 8 campus nominees for **McKinsey Case Championship 2025**; participated in the Solve Assessment
- Ranked 7th out of 200+ registered participants for my **open-source contributions** in PWOC (PEC winter of code), with 9 of my pull requests successfully merged
- Received a special mention for project "EntreConnect" out of **700+** participating teams in Hack2Hatch hackathon.
- The project "HostelBuddie" **ranked 4th** out of a total of 25 projects in Ideathon 4.0.
- Earned a **merit scholarship** for academic excellence at the end of the first year out of a total of 130+ students.
- Solved 300+ questions across platforms like **Leetcode**, **Codeforces** and **Codechef**.