MADHAV GAUTAM

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 @madhavgautam25   /madhav-gautam06

SKILLS

- **Programming:** C, C++, Java, JavaScript, Python
- **Web Development:** HTML, CSS, React.js, Node.js, Express.js
- **Database:** MongoDB, MySQL
- **Version Control:** Git & Github
- Data Structures & Algorithms (Java)
- REST APIs
- Operating System fundamentals
- DBMS fundamentals

EDUCATION

- Bachelor of Engineering – CSE | Chitkara University, Punjab.   *2024-2028*
- XII (CBSE) | Guru Nanak Foundation Public School, Patiala   *2023-2024*
- X (CBSE) | Guru Nanak Foundation Public School, Patiala   *2021-2022*

EXPERIENCE

- **Full-Stack Developer (Academic & Personal Projects)**   *(2025 - Present)*
  Built full-stack web applications using React.js, Tailwind CSS, Node.js, Express.js, and MongoDB, implementing responsive UIs, REST APIs, authentication, and database integration. Used Git/GitHub for version control and deployment.

- **Academic & Technical Experience**   *(2024 - Present)*
  Strong foundation in Data Structures, OOP, Operating Systems, and Web Development. Participated in technical events and hackathons, built IoT-integrated projects using ESP32 and sensors, and converted ideas into working prototypes.

ACADEMIC PROJECTS

- **Smart Soil Health Monitoring System with NPK Sensing & Solar Powered System.**
  Developed a solar-powered IoT system to monitor soil nutrients (NPK), pH, moisture, and temperature in real time. The device uses ESP32 with multiple sensors and cloud integration to visualize data remotely, helping farmers optimize irrigation and fertilizer usage while promoting sustainable agriculture**.**

- **PreLoved Picks**
  Preloved Pick is a web-based platform designed to facilitate the buying and selling of pre-owned items, encouraging sustainable shopping practices. It features product listings, category-based browsing, and user-friendly interfaces, aiming to reduce waste while making quality products affordable.

POSITION OF RESPONSIBILITY

- ❖ **Public Speaker | Guru Nanak Foundation Public School, Patiala |Chitkara University** *(2023 - Present)*
  Organized hackathons & conducted sessions for 300+ students on Web Development related topics.