

SHIVIN GOYAL

Aspiring Computer Science student in Software Development, Data Analysis, AI, and Emerging Technologies.

9888485042—[Linkdin](#)—[Github](#)—Chandigarh, India

Degree/Board	Year	Institute	%age/CGPA
B.Tech Computer Science Engg.	2023-2027	Punjab Engineering College, Chandigarh	7.73/10
12th (CBSE)	2023	Gurukul Global School, Chandigarh	90%
10th (CBSE)	2021	Gurukul Global School, Chandigarh	96%

EXPERIENCE:

- **Web Development Intern**
Worked at Elite Web Technologies, where I contributed to front-end development by identifying and resolving technical and visual bugs in their web platform.
- **Research Paper**
Applied simulation tools (COMSOL, AutoDock) in interdisciplinary chemistry research.
- **RC Gripper Bot for IIT Delhi Techfest**
As the team leader, I led end-to-end development of a robot using C/C++, Arduino/Raspberry Pi, and AutoCAD, applying core robotics skills in design, assembly, and programming.

PROJECTS:

- **Food Ordering Website**
Front end project with HTML and CSS for seeing food items for a restaurant.
- **Chat with Youtube**
Developed an AI-powered Streamlit application to analyze YouTube videos using Gemini LLM, transcripts, and key frames. Implemented semantic search with sentence embeddings, enabling real-time Q&A and video summarization.
- **Contact Manager**
Built a Contact Manager web app using React, implemented responsive UI with dynamic state management and local storage for data persistence. Modular code structure enhanced maintainability and scalability

SKILLS:

- Technical Skills: C, C++, Python, HTML, CSS, JavaScript, React, SQL, Streamlit, Vertex AI, Gemini (Generative AI), Excel, Data Structures & Algorithms, Object-Oriented Programming (OOP), Machine Learning, Neural Networks, Application Development
- Soft Skills: English, Hindi, Punjabi, Problem Solving, Adaptability, Quick Learner, Team Collaboration

LEADERSHIP:

- Sub-head of Event Coordination and Logistics for the Women Empowerment Cell at PEC.
- Class Representative (CR).
- Member at Robotics Society PEC.
- Helped organize and manage AICTA international conference at PEC..
- Member of the Implementation Board (IB) for the PEC ACM Student Chapter.
- Engaged in organizing workshops on Data Science and Machine Learning for junior students.
- Organized Technical Display for TECHADROIT 2024 held at PEC IEEE.

ACHIEVEMENTS:

- <https://certificate.com> Completed Gen AI Academy by Google Cloud and H2S, gaining hands-on experience with tools like Vertex AI, Gemini APIs, and Streamlit
- <https://www.credly.com>, earned 15 badges for completion of the GDSC Gen AI Study Jams 2024
- <https://coursera.org>, coursera certification for neural networks.
- <https://coursera.org>, coursera certification for Improving deep neural network.
- <https://coursera.org>, coursera certification for Structuring machine learning projects.
- <https://coursera.org>, coursera certification for Convolutional Neural Networks
- Represented the Indian Team in Roccaraso, Italy, in inline hockey.
- Achieved numerous victories in national and state-level championships for speed skating and inline hockey.
- Competed in prestigious national robotics competitions, including WRO and FLL
- Won state-level titles in athletics and cycling.
- Awarded over 100 medals in various disciplines.
- Received multiple certificates in recognition of contributions to social events and NGOs.