

SHIVIN GOYAL

Aspiring Computer Science student in Software Development, Data Analysis, AI, and Emerging Technologies.
goyalshivin@gmail.com | 9888485042 | [LinkedIn](#) | [GitHub](#) | Chandigarh, India

Degree/Board	Year	Institute	%age/CGPA
B.Tech Computer Science Engg.	2023-2027	Punjab Engineering College, Chandigarh	7.66/10
12th (CBSE)	2023	Gurukul Global School, Chandigarh	90%
10th (CBSE)	2021	Gurukul Global School, Chandigarh	96%

EXPERIENCE

Web Development Intern at Elite Web Technologies

- Contributed to front-end development by identifying and resolving technical and visual bugs in their production-ready website. Collaborated closely with the design team to align UI/UX standards, gaining exposure to corporate workflows, version control, and time-bound project management.

Research Project

- Engineered a computational pipeline using AutoDock and COMSOL to automate ligand–target interaction screening; applied Gibbs free energy ranking and visualized results with BIOVIA Discovery Studio. Streamlined compound prioritization, cutting experimental testing time by several months and reducing lab costs by 30%.

RC Gripper Bot for IIT Delhi Tech Fest

- Led design and build of robotic gripper using C++, Arduino, Raspberry Pi, and AutoCAD. Managed hardware assembly, firmware programming, and system testing under competition constraints

PROJECTS

Personal Resume Website

- Built and deployed a responsive React.js portfolio featuring custom CSS and modular components; integrated an EmailJS-powered contact form with smooth scrolling; configured and deployed on vercel, linking it with domain. ([link - www.shivingoyal.info](#))

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. ([link - Github](#))

Sales Analytics Dashboard Project - Power BI and Google BigQuery

- Built an end-to-end dashboard using Power BI connected to Google BigQuery. Performed data cleaning, DAX-based analysis, and created interactive visuals for business insights. ([link - Github](#))

Contact Manager

- Created React-based CRUD contact manager with responsive UI, dynamic state management, and localStorage persistence. ([link - Github](#))

SKILLS

- Languages:** C, C++, Python, JavaScript, HTML, CSS, SQL
- Frameworks/Tools:** React, Next.js, Streamlit, AutoCAD, COMSOL, Git
- Concepts:** DSA, OOP, ML, Web Deployment, Power BI, Neural Networks.

LEADERSHIP

- Sub-head of Event Coordination and Logistics for the Women Empowerment Cell at PEC.
- Class Representative, Department of Computer Science.
- Member of Robotics Society PEC.
- Helped organize and manage a AICTA international conference at PEC.
- Member of the Implementation Body (ISB), 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://hack2skill.com>, Gen AI Academy Completion Certificate on Hack2Skill.
- <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.
- Certified in Data Analyst Bootcamp (83 hours) – Udemy; trained in Excel, SQL, Power BI, Python, and real-world projects.
- Represented the Indian Teams in Roccaraso, Italy, in inline hockey.
- Achieved numerous victories in national and state-level championships for speed skating and inline hockey.
- Won state-level titles athletics and cycling.
- Competed in prestigious national robotics competitions, including WRO and FLL.
- Engineered robot for WRO, incorporating advanced sensor fusion algorithms, among 200+ participating teams.
- Awarded over 100 medals in various disciplines.
- Received multiple certificates in recognition of contributions to social events and NGOs.