

Sachin Goyal

📍 Ludhiana, Punjab, India ✉ sachingoyal9274@gmail.com ☎ 6280034162 🌐 [Sachin Goyal](#) 🏠 sachingoyal94.github.io/website/

EDUCATION

BE/B.Tech Computer Engineering
Thapar Institute of Engineering and Technology · Patiala, Punjab · 2027 · 7.97

SKILLS

Programming Languages: C, C++, Python, R, Matlab
IT Constructs: DSA, OOPS, DBMS, OS, Generative AI (LLMs, Prompt Engineering, RAG)
Databases: MySQL, neo4j
Tools & Platforms: VS Code, GitHub, Google Colab, AutoCAD, Hugging Face, LangChain

PROJECT

AI Chatbot & Automation Suite

Thapar Institute of Engineering And Technology · [Project](#)

- Technologies : Generative AI | Agentic AI | RAG
- Developed agentic AI applications, including a Course Generator (roadmaps + templates) and an AI YouTube Blog Generator
- Implemented intelligent assistants such as a Code Assistant, Math Solver, and content summarizers for YouTube videos & websites
- Created a Database Query Chatbot enabling natural language interaction with databases without SQL knowledge

Personal AI Health Assistant

Thapar Institute of Engineering And Technology · [Project](#)

- AI Based Personal Health Assistant. .
- Technologies: Python, Gradio, scikit-learn, Pandas, GeoPy, KNN, Random Forest .
- Built ML-based Sleep Quality Predictor using Random Forest on a lifestyle dataset with custom health advice logic.
- Gained hands-on experience in full-stack AI app development, ML model integration, and health-tech prototyping.

Bank Management System (OOP Project)

Thapar Institute of Engineering And Technology · [Project](#)

- Technologies: C++.
- Built a console-based banking application using object-oriented programming principles.
- Implemented core features like account creation, deposit/withdrawal, balance check, and account updates.
- Applied concepts of classes, inheritance, encapsulation, and file handling for structured code.

EXPERIENCE

Competitive Programming & Practice

Leetcode/ Geekforgeeks

- Solved 300+ DSA problems across platforms.
- Codolio: [Codolio](#)
- Focused on problem categories such as DP, Graph algorithms, and sorting techniques.

AI & Database Projects

- Built a multi-lane vehicle counting system using YOLO object detection for real-time traffic monitoring.
- Developed a DBMS Library Management System to efficiently handle book records, member information, and transaction tracking.

INVOLVEMENT

World Record Holder.

Guinness World Records

- Participated in a record-setting online programming event organized by AICTE and supported by Guinness World Records.
- Completed a hands-on Python programming module focused on building a Face Recognition App.
- Worked with key libraries such as OpenCV and face_recognition to detect and recognize faces from images and live video feeds.
- Contributed to a global learning milestone, with over 112,319 participants completing the session within 24 hours.