

GAURANG GARG

+91 75996 76607 ◇ Patiala, Punjab, India

gaurang020106@gmail.com ◇ [GitHub](#) ◇ [LinkedIn](#) ◇ [LeetCode](#)

EDUCATION

Thapar Institute of Engineering and Technology, Patiala, Punjab

Aug 2023 – Present

Bachelor of Engineering in Computer Engineering

CGPA: 9.00

EXPERIENCE

AI Engineer Intern, Pankaj Pharma

June 2026 – July 2026

- Designed and developed an AI-powered medical chatbot using LLMs and RAG for healthcare queries.
- Built a medical knowledge base using embeddings and vector databases for efficient information retrieval.
- Optimized the RAG pipeline to deliver accurate, relevant, and context-aware medical responses.

PROJECTS

AI Travel Planner

[GitHub](#)

Built an AI travel planner using LangGraph for agent-based itinerary generation.

- Integrated dynamic prompt chaining, external APIs (weather, maps), and contextual memory.
- Implemented a conversational interface with real-time itinerary updates and multi-turn dialogue handling.

GoldEye

[GitHub](#)

AI-powered gold-loan pre-qualification platform for instant jewelry assessment.

- Built smartphone-based capture for hallmark, purity, audio, fraud, and weight estimation.
- Generated real-time gold valuation and loan eligibility using live IBJA pricing and multi-signal fusion.

E-Commerce Chatbot

[GitHub](#)

Grounded RAG and Text-to-SQL chatbot integrated with an Airflow-orchestrated ETL pipeline.

- Implemented self-correcting SQL engine and reranked RAG, achieving 87.5% faithfulness and 100% routing accuracy.
- Engineered an Airflow ETL pipeline to scrape and validate 7,500+ products with CI/CD daily refreshes.

SKILLS

Programming: Python, C, C++, SQL

ML / DL & NLP: Scikit-learn, TensorFlow, Keras, NLTK, SpaCy, LangChain, LangGraph

Data, CV & Visualization: Pandas, NumPy, Matplotlib, Seaborn, OpenCV, MediaPipe, YOLO, PowerBI, Tableau

Web, Tools & Platforms: FastAPI, BeautifulSoup, Selenium, Git, Docker, Streamlit, Hugging Face, VS Code

Concepts: Machine Learning, Deep Learning, Computer Vision, NLP, RAG, Web Scraping

ACHIEVEMENTS

TensorX National AI Hackathon 2026 — Winner

Poonawalla Fincorp

- Built an AI-driven gold assessment platform for loan eligibility evaluation.
- Secured **1st place nationally** among **20,000+ teams** and **4,500+ colleges**; awarded a **Rs 4 Lakh cash prize**.

Smart India Hackathon 2025 — Finalist

Government of Jharkhand

- Selected among the **top 5 teams nationwide** from over **1.5 lakh teams**.
- Developed a tourism platform featuring AR-based discovery, itinerary planning, and route optimization.

Zelevra x AWS '25 Asian Hackathon — Winner

Zelevra

- Developed a TabNet-based ML system for solar generation modeling and performance-loss analysis.
- Achieved an **R² score of 0.9855** through robust preprocessing and feature engineering.

Competitive Programming and Problem Solving

- Solved 350+ DSA problems on [LeetCode](#).