

SAMYAK JAIN

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Professional Summary

Final-year Electronics and Computer Engineering student with hands-on experience translating complex data into stakeholder-ready business decisions. At EY, contributed to a client-facing credit appraisal pipeline for a flagship financial services client, applying GenAI tools (RAG, LangGraph) to automate reporting and reduce turnaround time by over 70%. Independently scoped a pharma commercial analytics solution across 150K HCP records, surfacing a 6x higher-ROI marketing channel and flagging underperforming territories to inform budget decisions.

Education

Thapar Institute of Engineering and Technology

Bachelor of Engineering in Electronics and Computer Engineering - 8.62/10

Aug 2023 - Present

Patiala, Punjab

G.D. Goenka Public School

CBSE AISSCE (Class 12) - 93.8%

Aug 2015 - March 2023

Sarita Vihar, Delhi

Skills

Business & Analytical Tools: MS Excel, Power BI, SQL, Process Mapping, MS Powerpoint

Programming & Data Analysis: Python, NumPy, Pandas, scikit-learn

Communication & Leadership: Stakeholder Presentations, Team Leadership, Project Coordination

Gen AI & Frameworks: LangChain, LangGraph, Retrieval-Augmented Generation (RAG), AI Agents

Experience

EY India | Certificate

GenAI Intern (Tech Consulting)

Summer 2026

Gurugram, Haryana

- * Independently built a RAG and LangGraph implementation as an onboarding exercise, translating unstructured legal contract data into structured, clause-level risk classifications; reviewed informally by mentor before progressing to the flagship CAM project.
- * Built a dual-track LangGraph pipeline handling a subset of case types within the CAM generation workflow for a flagship financial services client, ingesting annual reports, bank statements, and exchange filings into a hybrid RAG and MySQL architecture to produce 10-section credit reports.

Projects

CAM Generation Pipeline | *LangGraph, Gemini, ChromaDB, MySQL*

Internship Project | [\[GitHub\]](#)

- * Engineered per-section RAG retrieval with dynamic company context injection and keyword-based reconciliation flagging cross-source mismatches, eliminating unit/currency hallucinations and rendering client-ready reports via python-docx.
- * Reduced CAM report generation time by over 70% (from an industry-standard 4-8 hours to under 20-30 minutes) by automating retrieval, reconciliation, and report rendering end-to-end.

Pharma Commercial Analytics | *MySQL, Power BI, DAX, Python, SQL Window Functions*

[\[GitHub\]](#)

- * Framed hypotheses around rep underperformance drivers, then independently scoped and validated a rep segmentation and quota-tracking analysis across 150K HCP records and 5 US territories via a Python-MySQL pipeline (CTEs, window functions), visualized in a 3-page Power BI dashboard for stakeholder decision-making.
- * Identified email as the highest-ROI channel (6.00 lift/\$ vs. around 0.01 for others) and flagged South territory for the highest concentration of underperforming reps, informing budget and coaching priorities.

Hospital Readmission Analysis | *MySQL, Excel*

[\[GitHub\]](#)

- * Surfaced a 41% higher early readmission rate among patients on 20+ medications (12.78% vs 9.06%) by querying 101,766 diabetic patient records in MySQL, translating the finding into a stakeholder-ready Excel dashboard (pivot tables, KPI cards).

Position of Responsibility

Youth United - Patiala Chapter - Executive Board, Joint Secretary

Aug 2023 – May 2026

- Coordinated a 50+ volunteer team to plan and execute chapter initiatives including Daan Utsav (donation drive) and La Fiesta (event for underprivileged children), managing logistics, outreach, and on-ground operations end-to-end

Extracurricular Activity

World Scholars Cup - Kuala Lumpur & Beijing

2018 & 2019

- Gold Medal (Beijing) - DaVinci Award (All Rounder)
- Honour Medal (Kuala Lumpur) - Scholars Bowl