

Chintan Gaur

DATA AND GENERATIVE AI ENGINEER

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SUMMARY

GenAI Data Engineer with over 2 years building production RAG systems, fine-tuning LLMs, and integrating FAISS and Pinecone vector databases for scalable semantic search. Skilled in document ingestion, embedding pipelines, and agentic ETL migration POCs. **Certified: Oracle AI Vector Search Professional ; LTIMindtree IGNITE.**

EXPERIENCE

LTIMindtree

Bangalore, India

Data and GenAI Engineer

Jun 2024 - Present

- Architected and spearheaded enterprise-grade **RAG pipelines** using **Hugging Face** and **LangChain**, achieving a **40% reduction in query latency** during document data extraction.
- Implemented and fine-tuned **FAISS** and **Pinecone** vector databases with bespoke, intelligent chunking strategies, **reducing retrieval time by 65%** and achieving average response speeds under 800 ms during document data extraction.
- Fine-tuned and calibrated small LLM using **LoRA** and **Parameter-Efficient Fine Tuning** techniques to automate SAS-to-PySpark code translation, achieving **90% functional accuracy** and accelerating ETL migration workflows by **60%**.
- Engineered and deployed AI-driven **humanization** and **PII redaction** pipelines, slashing manual content review time by **70%** and **achieving 95% accuracy** in sensitive-data removal.
- Designed and integrated **prompt-injection protection** and **reasoning-agent** frameworks with **human-in-the-loop** validation, **improving system security posture by 95%** and boosting **LLM response correctness by 30%**.

HORIBA Ltd

Delhi,

India

AI - ML Engineer

March 2024 - Jun 2024

- Built foundational proficiency in AI/ML and Python: data preprocessing, feature engineering, model evaluation.
- Gained basics of **data modeling and schema design**—conceptual/logical modeling, normalization, and structuring datasets for analytics and feature stores.
- Performed extensive **data cleaning and transformation**, including missing-value imputation, outlier detection and handling, normalization/scaling, and automated ETL steps to prepare high-quality datasets for modeling.

SKILLS

- **Technical Skills:** Python, Flask, SQL, LangChain, Hugging Face, LangGraph, CrewAI, OpenAI APIs, LLMs Transformers, FAISS, Pinecone, ChromaDB, Prompt engineering, Parameter-Efficient FineTuning
- **Soft Skills:** Strategic problem-solving, Cross-functional collaboration, Technical communication, Critical thinking, Decision-making, Time management
- **Tools:** AWS S3, Athena, EC2, dbt, Git, Snowflake, KNIME, DataStage, SQL

PROJECTS AND PROOF OF CONCEPTS

Multi-Agent Reasoning Workflow

Jan 2025 - Feb 2025

- **Chain multiple specialized agents** like data extractor, summarizer and decision-engine to solve complex queries.
- **Outcome:** Chained 4+ agents per request and delivered end-to-end results in under 2 minutes, improving stakeholder satisfaction by 30%.

Knowledge Base Retrieval Agent

Feb 2025 - Mar 2025

- Developed an end-to-end RAG agent to ingest and serve insights from mixed document sources via a single API.
- **Outcome:** Built a **FAISS vector database** index for **100+** document embeddings, achieving average retrieval times of **650 ms**.

Alteryx to dbt Migration

Jul 2024 - Present

- Built an agent-driven pipeline that **systematized** extraction of Alteryx workflows, converted transformation logic to modular **dbt** models, and generated dbt tests and documentation.
- **Automated 80%** of routine transformation translation and test generation; cut initial migration effort by **60%** and reduced validation cycles from **days to hours**.
- **Outcome:** Demonstrated translation of transformation logic. (POC deployed on client System)

Alteryx to KNIME Migration

Jan 2025 - Present

- Created an agentic migration path to translate Alteryx workflows into KNIME-compatible, Python-based nodes and reusable components without LLM intervention.
- Attained **90% parity** for core ETL logic and **minimized conversion time by 70%** using reusable templates.
- **Outcome:** Verified parity of core ETL logic and created reusable Python-node templates for KNIME.

Data Stage to Big Query Migration

Jul 2025 - Present

- Applied agents to parse DataStage job metadata, map schemas and transformations to BigQuery SQL, and run validation tests against sample datasets.
- **Outcome:** Enabled computerized schema mapping and data-quality validation to accelerate migration planning.

CERTIFICATIONS

- Oracle - AI Vector Search Professional Certification, Sep 2025
Verification : [Verification Link](#)
- IGNITE ASP.NET Core & C# Training, LTIMindtree, Jun 2023

EDUCATION

Graphic Era University

Dehradun, India

B.Tech – Computer Science & Engineering

- 8.69 CGPA, Jul 2019 - Jul 2024

Scholars Academy

Roorkee, Uttarakhand, India

PCM + CS

- CBSE 12th - 70%, Jan 2019
- CBSE 10th - 9.4 CGPA, Jan 2017