

Siddharth Trivedi

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Generative-AI developer with 3 + years delivering end-to-end ML/LLM products for enterprise clients. Skilled in Python, SQL, ML models, LangGraph, Agentic AI, LLMs, Vector DB, REST API and CI/CD workflows.

EXPERIENCE

Gen AI Developer

Cognizant

Apr 2024 – Present

Bangalore, Karnataka

- Delivered automated summarization & smart query answers, validated by internal QA accuracy 82% , by designing LLM pipelines that fine-tune models through prompt-engineering and RAG on embeddings stored in a vector DB.
- Engineered a **Bash-Ansible** job in **Jenkins** that eliminated Python as a failure point, **cut runtime by 66 %** (3 → 1 min) and expanded data retention from 5 min to 2 weeks (**4,000×**).
- Worked extensively with **LLMs, embeddings, vector databases, and RAG** (Retrieval-Augmented Generation) for intelligent response generation.
- Built an agentic LangGraph flow that blends LLM reasoning, tool calls, and memory updates—cutting response time 40 % and boosting answer completeness to 72 % using tool calls.
- Worked in two-week **Scrum** sprints along with a fully distributed team across 3 timezones; prioritized MVPs over perfection to ship gen-AI PoC in 3 weeks.

Data Scientist - 3M

Cognizant

July 2022 – Mar 2024

Bangalore, Karnataka

- Data Query Optimization**: : Designed and optimized SQL queries for extracting actionable insights from large datasets to support data-driven decision-making.
- Data Wrangling & Analysis**: Performed complex data analysis using Python (Pandas, NumPy) and Microsoft Excel, including cleaning, feature engineering, and exploratory data analysis (EDA) for business insights.
- Database Management**: Worked with snowflake to enhance and update dashboard logics according to client requirement.
- Dashboard Development**: Updated dashboards, built on healthcare data, for client purpose in tableau.
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Project Manager and Web Developer

Smartways

Jan 2021 – Sept 2021

Delhi, India

- Managed a team of two, oversaw web development and handled seven multidisciplinary projects
- Managed more than five clients directly

TECHNICAL SKILLS

Primary Skills: Python, SQL, LLMs, Generative AI, RAG (Retrieval-Augmented Generation), API Development, LangGraph, Bash Scripting (UNIX), Vector Databases, Selenium, Predictive Analysis, EDA, Flask

AI/ML Tools: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, LangGraph, Pinecone, FAISS, , Airflow, MLFlow, Hugging Face, Vector DBs (ChromaDB)

PROJECTS

Instagram Grid Generator | *Python, Streamlit* | *Github* |

2024

- Being a freelance photographer, I needed a solution to showcase my work in the most optimal way. So I built a Python + Streamlit “Instagram Grid Optimizer” that fine-tunes DINOv2 to rank photos by color harmony, balance, and patterns, then auto-generates the optimal 3×N grid with real-time style presets, instant export, and a 30 % performance boost.

Event.AI - Intelligent Photo Management System | *Python, FastAPI, ChromaDB, ONNX* |

2024

- Developed a comprehensive AI-powered photo management platform for event photographers, enabling natural language search across thousands of photos using computer vision and LLM integration. Built scalable backend with FastAPI, React frontend, and ONNX-optimized models for real-time image analysis and metadata extraction.
- Key Components: SigLIP vision embeddings with ONNX optimization, Gemini 2.0 Flash integration for scene analysis, ChromaDB vector database for similarity search, automated image processing pipeline, natural language query interface, real-time photo upload and analysis system.