



Jeet Gupta

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github.com/JeetGupta2506 | [Portfolio Website](#)

Education

Sardar Vallabhbhai National Institute of Technology, B.Tech in Artificial Intelligence June 2023 – May 2027

- CGPA: 7.66

Satyameva Jayate International, Senior Secondary School June 2022 – May 2023

- Grade: 87%

Experience

AI ML Intern, Accenture **May 2025–July 2025**

- Developed and integrated LLM-powered chatbots and agentic workflows for a banking web application, improving automation and user query handling.
- Gained hands-on experience with GenAI frameworks including LangChain, LangGraph, MCP, CrewAI, and n8n to build scalable AI pipelines.
- Implemented generative AI and agent-based workflows to enhance conversational intelligence and streamline backend processes for fintech use cases.

AI ML Lead , Google Developer's Group NIT Surat **September 2025–Present**

- Led AI/ML initiatives and technical workshops focused on Machine Learning, Generative AI, RAG systems, and LLM applications for student developers.
- Organized and guided AI-focused events, hackathons, and tech sessions, fostering a strong AI community and collaborative culture.

Technical Lead , Nexus Cell Svnit **July 2025 - Present**

- Coordinated with multiple campus technical clubs to organize hackathons and large-scale technical events.
- Mentored junior members in full-stack engineering and AI/ML development, improving project quality and team productivity.
- Worked with senior developers to design new features, resolve bugs, and enhance the performance of the official Nexus website.

Projects

MLxplore

[Github Link](#)

- Developed an interactive ML visualization playground using Streamlit, FastAPI, and scikit-learn, supporting 5+ models and multiple datasets with real-time hyperparameter tuning and decision boundary updates.
- Reduced model experimentation time by ~60% by enabling instant visual feedback on training behavior, helping users better understand bias-variance trade-offs and model performance.

Multii-Disease-Prediction

[Github Link](#)

- Built a Streamlit-based ML web application for predicting multiple diseases (Diabetes, Asthma, Blood Pressure, Typhoid) using XGBoost, Random Forest, LightGBM, and Logistic Regression, with modular, disease-specific pipelines.
- Implemented end-to-end ML workflows including preprocessing, class-imbalance handling with SMOTE, model evaluation, and deployment-ready inference, enabling reliable and interactive health risk prediction.

[Github Link](#)

Multi-document-Embedding-Search-Engine-with-Caching

- Designed and built a semantic search engine using sentence-transformer embeddings, FAISS vector search, and FastAPI, enabling low-latency document retrieval with cosine similarity.
- Implemented SHA-256-based embedding cache with SQLite and multiprocessing, achieving ~12× faster index rebuilds and 2–3× speedup in embedding generation for scalable, production-ready RAG pipelines.

Skills:

- Machine Learning: Model Development, Feature Engineering, Model Evaluation
- Deep Learning: Neural Networks, CNNs, Transformers
- GenAI & LLMs: Prompt Engineering, RAG, LLM Fine-Tuning, Vector Databases
- Agentic AI: Multi-agent workflows, Tool-using agents, LangGraph/CrewAI agents
- NLP: Text Classification, Summarization, Embeddings
- AI Frameworks: LangChain, LangGraph, CrewAI, LlamaIndex, PyTorch, TensorFlow, Scikit-learn
- Programming: Python, SQL, FastAPI, Flask
- Tools & Platforms: Git, Docker, HuggingFace, OpenAI/Gemini APIs, MLflow
- Data Handling: Pandas, NumPy, Data Cleaning & Preprocessing
- Cloud: AWS / GCP (basic deployment, storage, inference)
- Soft Skills: Problem-Solving, Fast Learner, Leadership, Collaboration