GYANENDRA SINGH

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PROFESSIONAL SUMMARY

AI/ML Engineer & Data Scientist with 3+ years of experience delivering production-grade solutions in machine learning, NLP, and large language models (LLMs) such as GPT-3.5/4. Expertise in building intelligent chatbots, RAG systems, data analytics APIs, and scalable ML pipelines. Strong background in Python, Flask, FastAPI, SQL, and cloud deployment. Adept at integrating LLMs into backend systems for intelligent automation and actionable insights.

SKILLS

Languages & Tools: Python, SQL, R, Excel, Git, Docker, AWS
ML & DL: Scikit-learn, TensorFlow, PyTorch, Transformers, LLMs (GPT-3.5/4), RAG
NLP & Generative AI: Hugging Face, Prompt Engineering, Embeddings, Vector DBs (FAISS, Pinecone)
Agentic AI Frameworks: LangChain, LangGraph, AutoGen
Analytics & Visualization: Power BI, Tableau, Matplotlib, Seaborn
APIs & Frameworks: Flask, FastAPI, REST, Pydantic, Async IO
Deployment & Pipelines: ETL, CI/CD, Model Serving, NoSQL/SQL Integration

PROFESSIONAL EXPERIENCE

Globtier Infotech Pvt. Ltd. – Python Developer / Data Scientist   *Noida | Sep 2022 – Present*

Built LLM-driven question-answering bots using Gemma-3 and GPT-3.5/4 for querying technical PDFs with context-aware and citation-backed responses.

Designed RAG pipelines integrating LangChain, LangGraph, and vector databases such as FAISS and Pinecone for semantic search and generation over unstructured documents.

Developed Flask/REST APIs for instant CSV analytics including auto-summary, profiling, and column classification.

Forecasted service ticket volumes using Facebook Prophet; integrated results into Power BI dashboards for operational planning.

Automated BI dashboards to monitor ticket resolution times and SLA breaches using Python-based ETL pipelines.

EDUCATION

Master of Science (M.Sc.) – Physics
D.A.V. College, Kanpur   Jun 2017 – Jul 2019
Dissertation in Statistical Physics, Mathematical Physics, Computational Programming

Bachelors of Science (B.Sc.)   Jul 2013 – Jun 2016
Brahmanand College, Kanpur
Dissertation in Statistics, Applied Mathematics

CERTIFICATION

IBM Data Science Professional Certificate   Feb 2021 – Mar 2022
Skills Acquired: Python, Machine Learning, Power BI, Deep Learning, EDA, Data Visualization