

RATHAN NAYAK

 India

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 GitHub |  LinkedIn

DATA SCIENTIST | AI / ML / GENERATIVE AI ENGINEER

Data Scientist with **3+ years of experience** in building **AI/ML and Generative AI solutions**. Strong expertise in **machine learning, deep learning, NLP, and GenAI frameworks** with hands-on experience in **LangChain, LangGraph, LLMs, and cloud-based deployment**. Proven ability to design scalable AI systems and deliver production-ready solutions.

CORE SKILLS

Programming & Tools

- Python, SQL, Linux
- Git, Docker, Kubernetes

AI / ML / DL

- Machine Learning, Deep Learning
- Transformers, CNN, RNN

- NLP, Prompt Engineering

Generative AI & Frameworks

- LangChain, LangGraph, Llamaindex
- NVIDIA NeMo, NIMs
- OpenAI, LLaMA, Mistral, Qwen

Libraries

- TensorFlow, Keras, PyTorch
- Pandas, NumPy, Scikit-learn

Cloud & DevOps

- AWS / Azure
- Dockerized ML pipelines
- REST APIs

PROFESSIONAL EXPERIENCE

Data Scientist | AI/ML Engineer

(Company Name) | Year – Present

- Designed and deployed AI/ML and Deep Learning models for real-world use cases.
- Built Generative AI pipelines using LangChain and LangGraph.
- Developed NLP-based applications for summarization, classification, and sentiment analysis.

- Worked on multi-modal AI solutions combining text and structured data.
- Optimized model performance using tuning and evaluation techniques.
- Integrated models with APIs and deployed using Docker.
- Collaborated with cross-functional teams for scalable AI solutions.

PROJECTS

1. AI-Powered Resume Screening System

Tech: Python, LangChain, LangGraph, NLP

- Built an automated resume screening system using LLMs.
- Implemented parallel workflows for skill extraction, summarization, and scoring.
- Reduced manual screening effort by 60%.

2. Multi-Modal Generative AI Assistant

Tech: LangChain, OpenAI, Python

- Developed an AI assistant for document understanding and Q&A.
- Implemented prompt engineering and response validation.

3. Customer Review Sentiment Analyzer

Tech: NLP, Transformers, PyTorch

- Built a sentiment classification system for customer feedback.
- Implemented preprocessing, tokenization, and model fine-tuning.

4. Predictive Analytics System

Tech: Python, Scikit-learn, Pandas

- Built ML models for forecasting and prediction.
- Performed feature engineering and evaluation.

5. AI Document Understanding System

Tech: NLP, LLMs, LangChain

- Extracted structured data from unstructured documents.
- Implemented semantic search using embeddings.

CERTIFICATIONS

- NVIDIA Certified Associate – Generative AI (*Preferred*)
- Data Science & Machine Learning Certification

- NLP Fundamentals
- Python for Data Science

EDUCATION

Bachelor's Degree in Engineering / Computer Science

(University Name)

WHY I FIT THIS ROLE

- Strong experience in Generative AI & LLMs
- Hands-on with LangChain, LangGraph, NeMo
- Solid foundation in ML, DL, and NLP
- Experience deploying AI solutions
- Cloud-ready and production-oriented
- Strong problem-solving mindset