

Vikas Jangid

Data Science & AI/ML

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SUMMARY

Data Science & AI/ML Professional with hands-on experience in predictive modeling, workflow automation, and AI-driven solutions. Proficient in Python, data preprocessing, and generative AI for task management and attendance tracking. Skilled in agentic AI for autonomous decision-making and task execution. Strong foundation in ML and DL and real-world problem-solving, with active participation in AI workshops.

EXPERIENCE

AI ML Intern

Regex Software Services

02/2024 - Present Jaipur, Rajasthan

- Designed and implemented **machine learning models** and predictive analytics algorithms to extract actionable insights.
- Performed data pre-processing, including **feature engineering**, normalization, and imputation, to enhance model performance.
- Utilized Python for efficient data handling, model development, and backend integration.
- Leveraged Generative AI with **Google Generative AI** and **NLP** to automate task breakdowns and schedule management.
- Containerized applications using **Docker** and established **CI/CD pipelines** for automated testing and continuous integration.
- Developed and trained deep learning models using and **TensorFlow** for advanced AI applications.
- Developed and deployed **Conversational AI** solutions using **LangChain**, integrating **retrieval-augmented generation (RAG)** for enhanced responses.
- Built and managed cloud-based AI applications on **AWS**, ensuring scalability and reliability.
- Implemented **containerized deployments** with **Kubernetes**, optimizing resource management and system performance.

PROJECTS

AI-Powered Video Summarizer

Github

- AI-Driven Video Summarization:** Developed a **video summarization application** using **Streamlit** as the frontend and **Google Gemini API** for generating concise summaries.
- Multimodal Agent Implementation:** Integrated **phi.data** to process both **text and video content**, enhancing the application's understanding capabilities.
- CI/CD Pipeline Automation:** Designed and implemented a **CI/CD pipeline** to automate **testing and deployment**, ensuring a smooth and efficient development workflow.
- Containerization with Docker:** Packaged the application using **Docker**, enabling seamless **deployment, portability, and scalability**.
- Web-Based Deployment:** Successfully **deployed the project on Streamlit Cloud**, making it accessible as a fully functional web tool.

Conversational RAG Chatbot with PDF Upload

Github

- Developed a **Conversational RAG Chatbot** using **LangChain, FAISS, and Groq API**, enabling users to upload PDF files and interact with their content. Implemented **retrieval-augmented generation (RAG)** to provide context-aware responses while maintaining chat history. Used **Hugging Face embeddings** for document vectorization and Streamlit for a user-friendly interface.
- Integrated **ChatGroq LLM** to enhance response generation with contextual awareness.
- Utilized **FAISS vector search** for efficient document retrieval and query handling.
- Designed a **secure API-based architecture**, ensuring seamless user interactions and data processing.

KEY ACHIEVEMENTS

Generative AI Mentor

Served as a mentor for Generative AI classes at JIET College, Jodhpur.

SKILLS

Python	NLP	Tensorflow	SQL
CI/CD Pipelines		Streamlit	Flask
Kubernetes	Langchain & LangGraph		
AWS	Machine Learning	Generative AI	
Deep Learning	GitHub	Docker	
Agentic AI			

CERTIFICATIONS

Krish Naik Generative AI Udemy Course

Covers deep learning, transformers, and AI model deployment.

EDUCATION

B.Sc.

Maharshi Dayanand Saraswati University

05/2022 - 04/2025 Ajmer, India

INTERESTS

Artificial Intelligence

Passionate about **ML, DL, and Generative AI**, with a focus on **LLMs, NLP, and cloud-based AI solutions** to build innovative and impactful systems.

Sports

Enthusiastic about **cricket**, with a passion for **fast bowling**. Enjoy teamwork, strategy, and continuous skill improvement on the field.

Passion for Networking

Passionate about **building strong human connections** and expanding professional networks. Enjoy engaging with diverse individuals, fostering collaboration, and creating meaningful relationships.