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 Al-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 Al workshops.

EXPERIENCE

AI ML Intern

Regex Software Services

苗 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 Al applications.
- Developed and deployed Conversational AI solutions using LangChain, integrating retrieval-augmented generation (RAG) for enhanced responses.
- · Built and managed cloud-based Al applications on AWS, ensuring scalability and reliability.
- Implemented containerized deployments with Kubernetes, optimizing resource management and system performance.

PROJECTS

AI-Powered Video Summarizer

@ Github

- Al-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 contextaware 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 Trainer

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

SKILLS

Python	NLP	Tensorflo	w SQL
CI/CD Pipelines		Streamlit	Flask
Kubernetes Langchain & LangGraph			
AWS	Machine Learning		Generative Al
Deep Learning		GitHub	Docker

CERTIFICATIONS

Krish Naik Generative Al Udemy Course Covers deep learning, transformers, and Al model deployment.

EDUCATION

B.Sc.

Maharshi Dayanand Saraswati University

INTERESTS



Artificial Intelligence

Passionate about ML, DL, and Generative AI, with a focus on LLMs, NLP, and cloud-based Al 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.

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