Abhay Singh Sengar

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KEY

⤳ Currently pursuing an engineering degree with a focus on Artificial Intelligence and Machine Learning.

⤳ Experienced in building agentic workflows using LangChain and integrating APIs from Hugging Face, OpenAI, and other LLM providers.

⤳ Proficient in designing and deploying Retrieval-Augmented Generation (RAG) systems

⤳ Strong foundation in neural network architectures including CNNs, RNNs, LSTMs, and Transformers

⤳ Enthusiastic about building real-world AI systems that are scalable, intelligent, and user-centric

EDUCATION

⤳ **Undergrad:** B.Tech at VIT Bhopal University (2022-2026)

⤳ **DataScience Mentorship:** PreGrad (10/2023-01/2024)

⤳ **OPENCV BootCamp:** OPENCV University (09/2024)

⤳ **Data Engineering Foundation:** Informatica University (2024-2025)

⤳ **C++:** Abdul Bari (03/2024)

SKILLS

GenerativeAI	Prompt engineering, LLM fine-tuning, RAG (Retrieval-Augmented Generation) systems
LangChain	Agentic workflows, tool integrations, memory management
Machine Learning	Supervised unsupervised learning, model evaluation, feature engineering
Neural Networks	CNNs, RNNs, LSTMs, Transformers
Computer Vision	Image classification, object detection, segmentation, OpenCV
Programming Languages	Python (NumPy, Pandas, Scikit-learn, Matplotlib), C++(basics), Java(basics)
Frameworks	TensorFlow, PyTorch, OpenCV, Streamlit
APIs	Hugging Face Transformers, OpenAI API, meta
Data Handling	Data cleaning, visualization, exploratory data analysis (EDA)
Deployment	Streamlit apps
NoSQL Databases	AstraDB, MongoDB