

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

- **VIT BHOPAL UNIVERSITY:** Btech Computer Science (2022-2026)
- **Sagar Public School, Saket Nagar:** 12th board(2022): Percentage-84, 10th board(2020): Percentage-89.2

CERTIFICATIONS

- **MongoDB Administrator:** issuedby: FacePrep, issueDate: 02-07-2025
- **Complete Generative AI Course With Langchain and Huggingface:** issuedby: KRISHAI Technologies Private Limited, issueDate: 05-25-2025
- **DataScience Mentorship:** issuedby: PreGrad, duration:(10/2023-01/2024)
- **OpenCV BootCamp:** issuedby: OpenCV University, issueDate: 09-2024

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)
- **Agentic Framework:** CrewAI
- **APIs:** Hugging Face Transformers, OpenAI API, meta
- **Data Handling:** Data cleaning, visualization, exploratory data analysis (EDA)
- **Deployment:** Gradio, Streamlit apps
- **NoSQL Databases:** AstraDB, MongoDB
- **Graph Databases:** Neo4j