

ABHAY SINGH SENGAR

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in abhaysengar2109

🌐 senpaisaul

EDUCATION

VIT Bhopal University

Bachelors of Technology(Computer Science) - **CGPA - 7.78**

09 2022 – 05 2026

Kothri Kalan, India

Sagar Public School, Saket Nagar

AISSCE - PCM - **Percentage - 84%**

06 2021 – 04 2022

Bhopal, India

COURSEWORK / SKILLS

- Machine Learning
- Generative AI
- MCP
- OOPS Concept
- Computer vision
- DBMS
- Data Analysis

PROJECTS

Codpal 🔗 | Langchain, Gradia, Ollama

05 2025

- Simplifies the coding process by linking locally running ollama model with a hosted gradio app.
- Provides new coders with a easy to use code corrector and learning guide

MultiAgent YT Channel Rag and blog writer 🔗 | Langchain, CrewAI, OpenAI

06 2025

- The Agent Takes A Youtube Channel an input along with a topic.
- Searches for the selected topic through every video on the channel.
- Finds the context from the channel and writes a blog for the found context.

MathGPT 🔗 | Langchain, GroqLPU, streamlit,

05 2025

- This is a stremlit app that uses groq as a inference engine and langchain for integration.
- The app solves Math problems to any highschool level problem.
- It simplifies the homework process with consistent memory for callbacks.

TECHNICAL SKILLS

Languages: Python, C++, Cypher Query Language, SQL

Developer Tools: VS Code, Trae, WindSurf

Technologies/Frameworks: GitHub, streamlit, Langchain, MongoDB, Neo4j, AstraDB, Huggingface, OpenAI, Ollama, GroqLPU, CrewAI, OpenCV, Scikit-learn, Tensorflow, Keras, pandas, matplotlib, numpy

CERTIFICATIONS

- Generative AI Course With Langchain and Huggingface - Udemy
- Computer Vision Deep Learning: OpenCV, YOLO, ResNet - Udemy
- OpenCV Bootcamp - OpenCV University
- MongoDB Administrator - FacePrep
- Data Science/Analytic 3 month mentorship - PreGrad