

ADITYA GHAI

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Education

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur Computer Science and Engineering CGPA: 9.5	2022 - 2026
Central Academy, India <ul style="list-style-type: none">CBSE(Class XII), Aggregate: 95.2%	2020 - 2022
Little World School, India <ul style="list-style-type: none">CBSE(Class X), Aggregate: 95.2%	2014 - 2015

Skills

Machine Learning | Python | Data Science | Generative AI | DSA | MySQL | Github | C++ | C | Flask |

Objective

Driven and passionate Data Science Enthusiast with expertise in Machine Learning and GenAI. I readily build deployable chatbots using technologies like VectorDatabases, HuggingFace models, Palm & OpenAI APIs, and LangChain. I have actively participated in hackathons and Kaggle competitions, learning to contribute effectively in teams. Additionally, I have hands-on experience with building real-world projects in Core ML. Currently pursuing a specialization in math and deep learning from Coursera.

Projects

SureBot <i>Python, Langchain, VectorDB, LLM, FAISS INDEX, OpenAI API</i> Developed and deployed a GenAI-based QnA Chatbot with a Streamlit UI. The chatbot effectively utilizes user-provided trusted sources, ensuring the use of accurate and up-to-date information to generate responses. It demonstrates a higher level of precision when compared to existing LLMs such as Bard and ChatGPT.	Oct' 23
Chacha Chaudhary Interactive VoiceBot <i>Web Speech API, Flask, Web Scraping, Google Palm, HuggingFace, LangChain, VectorDB</i> The project features voice input-output, leveraging advanced speech recognition and synthesis, and introduces a 3D avatar of Chacha Chaudhary for an engaging and visually appealing interaction, built for the Ministry of Jal Shakti under SIH Finals.	Dec' 23
Bank Churn Prediction <i>EDA, Feature Engineering, Datapreprocessing, Ensemble Techniques</i> Effectively handled dataset imbalance through weighting and SMOTE techniques. Employed diverse algorithms, such as GradientBoost, XGBoost, and RandomForest, followed by the creation of ensemble models like Voting and Stack-based Classifiers. This approach aimed to enhance prediction correctness, resulting in a competitive performance in Kaggle.	Dec' 23

Academic and Extracurricular Achievements

- Smart India Hackathon Finalist 2k23
- IIT Kanpur TECHKRITI AI/Stock Event - 4th Position
- JEE Mentor & Advisor
- Youtuber (Overall 3 Lac+ Views)

Positions of Responsibility

The Programming Club AI/ML Committee Member	Jun'23 - Present
<ul style="list-style-type: none">Part of the Core Programming committee, held various Hackathons & Workshops, conducted training sessions.	
The Music Club SAAZ Core Committee	Jun'20 - Present
<ul style="list-style-type: none">Held various workshops, events, part of fest committee, lead in management and relations.	