













# Aditya Kumar Tiwari

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## EDUCATION

- **Indian Institute of Information Technology** Lucknow, India  
*Master of Science - Artificial Intelligence and Machine Learning ; SGPI: 8.91* Dec 2023 - Current
- **Chhatrapati Shivaji Sahuji Maharaj University** Kanpur, India  
*Bachelor of Science - Information Technology; CGPA:6.5* July 2020 - June 2023
- **Sarawati Gyan Mandir Inter College** Kanpur, India  
*12<sup>th</sup> Percentage: 78* Mar 2019


## PROJECTS

- **FlexiBot**   - **Description:** FlexiBot is a customizable and responsive **chatbot**, offering a realistic typing effect, context retention, and **multiple language models**. Users can adjust **system prompts**, conversational memory, and typing speed for a **tailored chat experience**.
  - **Tech stack:** Streamlit, Groq, Langchain, Llama3, Gemma, Mixtral
  - **Demo Link** 
  -  **Github Link** 
- **DocBot** - **Description:** DocBot is a web app that allows users to interact with document by uploading PDF or image files. It extracts text using **PyPDF2** and **Tesseract OCR**, and employs the **Llama3** for generating responses to user queries based on the extracted document text.
- **Tech stack:** Streamlit, PyPDF2, pdf2image, Tesseract OCR, PIL, spaCy, Groq, ConfigParser, Llama3
- **Demo Link** 
-  **Github Link** 
- **Melodify** - **Description:** (Group-Project) Developed a web application that converts text prompts into personalized songs by leveraging **GPT-3.5 Turbo from OpenAI** for generating lyrics and utilizing **HuggingFace's Bark Model** to transform the lyrics into melodified music.
- **Tech Stack:** Python, Streamlit, OpenAI GPT-3.5 Turbo, Suno's Bark Model.
- **Demo Link** 
-  **Github Link** 

## SKILLS AND COURSEWORK

- **Languages and Tools:** Python, C, C++, SQL, Excel, HTML, NumPy, Pandas, Matplotlib, SkLearn, Seaborn, OpenCV, Tensorflow, Keras, spaCy, API, PIL, Streamlit, Requests, VS Code, Jupyter, Colab, Prompt-Engineering, Git, Langchain, RAG, LLMs
- **Academic Coursework:** Artificial Intelligence, Data Structures and Algorithms, Machine Learning, Deep Learning, DBMS, Image Processing and Computer vision

## ACHIEVEMENTS

- **Cleared GATE(MA), IIT-JAM(MA), NIMCET, UPSEE**
- **AIR 36 in AI ARENA 2.0 hackathon** with the project **Melodify** as part of the team **Area522**.
- **Coding Questions:** Solved 300+ DSA questions on various platforms, including:
  - **Leetcode** 
  - **Notebook Expert** on **Kaggle** 