

ADITYA CHOUDHARY

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Technical Skills

Languages and DataBases: Python, Flask, C++/C, Java, MySQL, MongoDB, PostgreSQL

Web Technologies: HTML, CSS, JavaScript, React, NodeJS, ExpressJS

Libraries: OpenCV, NLP, Selenium, TensorFlow, Spacy, PyTorch, Hugging Face

Projects

InfiUse / Python, Streamlit, Groq, LangChain, Codestral, Streamlit Ace / [GitHub](#) | [Live Demo](#) May 2024 – Jun 2024

- InfiUse is a **multimodal LLM** providing facility of **content generation, code generation, code compiler** and **conversational chat**.
- Utilizes **Groq Inference API** and provides speedy results.

Fine-Tuning for Abstractive Text Summarization / Hugging Face, PyTorch, NLTK, Py7zr / [GitHub](#) Feb 2024 – Feb 2024

- Developed text summarization project using Hugging Face's Transformers.
- **Fine-tuned** pre-trained Pegasus model for abstractive text summarization on **SAMSum dataset**.
- Evaluated model performance using **ROUGE scores** to measure quality of generated summaries.

Sentiment Analysis of Political Speech | Python, NLP, BERT, Gensim, Spacy / [GitHub](#) Sept 2023 – Sept 2023

- Implemented advanced natural language processing techniques to categorize words into **positive, negative, and neutral sentiment categories, with 8.61%, 5.12%, and 86.27% of words** falling into each category respectively.
- Performed emotion classification using **NRCLEX**, identifying ten different emotions in the speeches, with the highest frequency for **positive emotion at 23.46%**
- **Flesch Reading Ease: -3018.87, SMOG Index: 0.0.**

Experience

Feynn Labs Oct 2023 – Nov 2023

Machine Learning Intern

Remote

- Formulated in-depth market research on the electric vehicle (EV) industry in India, analyzing sales data, consumer preferences, and government policies, resulting in valuable insights into the Indian EV revolution.
- Presented a model for **defining the emotion of the tone** in the form of audio.

Ethnus Aug 2023 – Nov 2023

Full Stack Developer

Remote

- Implemented MERN stack proficiency to drive the development of web applications.
- **Leveraged MongoDB, ExpressJS, ReactJS, and NodeJS** to deliver seamless user experiences and boost user engagement.
- Collaborated with a virtual team to deliver high-quality solutions, honing skills in full-stack development, API integration, and agile methodologies.

Education

Vellore Institute of Technology, Chennai

2021 – 2025

Bachelor of Technology in Specialization with AI & ML

CGPA: 8.51/10