

# ADITYA CHOUDHARY

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## Technical Skills

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**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

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**Github-App** | *React.js, Express, Node.js, MongoDB, Passport.js* | [Github](#) | [Video Link](#) Jun 2024 – Jul 2024

- Implemented Github like app with **authenticated** with Github using passport.js.
- Facility to view the **user profile** with all their repositories.
- Provide facility to **like user profile** and **explore Github repositories of languages** and integrated with MongoDB.

**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

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**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

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**Vellore Institute of Technology, Chennai**

**2021 – 2025**

*Bachelor of Technology in Specialization with AI & ML*

*CGPA: 8.55/10*