

# Aayush Joshi

Kishangarh, Rajasthan

+91-7568488933

[joshiaayush1244@gmail.com](mailto:joshiaayush1244@gmail.com) [LinkedIn](#) [Github](#) [Leetcode](#) [Kaggle](#)

## Summary

Aspiring Machine Learning Engineer with hands-on experience in developing AI-driven solutions, specializing in Python, PyTorch, and Transformer models. Adept at building and fine-tuning LLMs and implementing computer vision systems. Strong problem-solving abilities, automation expertise, and a passion for creating impactful machine learning projects. Proven track record in leveraging AI for search summarization, finance automation, and emotion detection.

## Experience

### Technical Document Specialist

July 2024-August 2024

Pragadas Technologies Pvt. Ltd.

India (Remote)

- Tailored more than 200 resumes and got a score of more than 75% on Jobscan result in every resume securing clients multiple interviews.
- Developed Python scripts for automating the process of tailoring resumes using LLMs with advanced RAG chains.
- Shared useful insights to the clients about their resume and maintained open communication with them.
- Used prompt engineering to get consistent and relevant results from LLM such as ChatGPT and Mistral-7B-v0.3

## Projects

### Surch AI

Python, Langchain, Streamlit, Langchain-Huggingface, SQLite, ChromaDB, Mistral-7B-v0.3

- Created a Search summarizer that crawls the web on your behalf and summarizes the result for you in a single place.
- Used Google Custom Search API and Programmable search engine to retrieve web page content and parse it using beautiful soup.
- Developed a history aware conversational retrieval chain using langchain and used chromaDB as a vector database. Also added a history feature using SQLite database.

### Finance LLM

Python, Transformers, TRL, Bitsandbytes, Accelerate, Google Colab

- Created python scripts for automated data collection using google custom search api and created an automated LLM dataset parser which uses an open-source LLM to create a QA (Question-Answering) dataset.
- Fine-Tuned an Open source model from huggingface library using the custom dataset on different parameters to achieve desired results.
- Used libraries such as beautiful soup, pypdf2, python-dotenv, etc. as well for other small tasks.

### Face Emotion Detection

Python, PyTorch, YOLO, ResNet, OpenCV

- Integrated YOLO for face detection and fine tuned ResNet18 for emotion classification.
- Classified seven emotions: Angry, Disgust, Fear, Happy, Neutral, Sad, and Surprise.
- Pre-trained models for quick inference, easy setup, and use on linux.

## Technical Skills

- Languages : Python, C++
- Frameworks : PyTorch, Langchain, Transformers, OpenCV, Streamlit, Scikit-learn
- Database: SQLite, ChromaDB
- Developer Tools : Linux, Git, Github, Jupyter Notebook, Google Colab

## Soft Skills

Self-Motivated, Strong Problem Solving skills, Analytical Skills, Communication skills

## Certificates

**Machine Learning Specialization** by Stanford & Coursera (2024) 

## Education

B. Tech : Computer Science

Nov. 2022-Jul. 2026

Gurukula Kangri (Deemed to be University), Haridwar, Uttarakhand

- GPA : 8.5
- Member, Google Developers Student Club