

Ayush Uttarwar

+91-9359635906 | ayushuttarwar086@gmail.com | LinkedIn | Github | Leetcode



SUMMARY

I'm a 3rd-year B.Tech student studying AI and Data Science. I'm really interested in using my skills to solve real-world problems. I have a good grasp of Data Structures and Machine Learning, and I've been working on projects related to NLP and Generative AI. I'm looking for a chance to learn gain some industry experience, and contribute to a team and get exposure to the industry.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, Python

ML/DL: scikit-learn, TensorFlow(basic), NumPy, Pandas

NLP/CV Tools: Hugging Face Transformers, Selenium, OpenCV, Matplotlib

Tools: Git, GitHub, MySQL, Postman

PROJECTS

Suspicious Activity Detection

kaggle-url

Computer Vision, Tensorflow, MobileNetV2, LSTM, OpenCV

- Built a real-time video analytics model to detect abnormal activity in surveillance footage.
- Optimized memory usage via on-the-fly data generators (no frame storage).
- Processed 20–25 sec video clips at 30 FPS for accurate activity detection.

Duplicate Question Detection for Social Platforms

kaggle-url

NLP, Random Forest, XGBoost, FuzzyWuzzy, CountVectorizer

- Cleaned and normalized large text datasets by removing HTML tags, expanding contractions, etc.
- Engineered features including word counts, shared tokens, stop word ratios, and fuzzy similarity scores.
- Used CountVectorizer for representation and trained Random Forest & XGBoost classifiers for duplicate detection.

AI-Powered Virtual Assistant

Python, Cohere, Selenium, Web Scraping

- Developed assistant with **voice recognition, automation, real-time search, and chatbot capabilities** using Python and Groq's LLM.
- **Implemented** speech-to-text, text-to-speech, image generation, and system automation for seamless user interaction.
- **Enhanced** response accuracy by integrating LLMs, real-time web scraping, and API-based query handling for dynamic, context-aware assistance.

EDUCATION

Vishwakarma Institute of Information Technology

B. Tech - Artificial Intelligence and Data Science (CGPA - 8.37)

Pune, MH

2022 – Present

The Jain International School

H.S.C. (Grade - 80%)

Aurangabad, MH

2020 – 2022

ACHIEVEMENTS

- Solved **200+ DSA problems** on Leetcode
- Tutored a student in JavaScript, helping him grasp fundamental concepts.