

SIDDHARTH UPADHYAY

Sector - 6, Rohini, New Delhi, India ·
Email: siddharthu333@gmail.com · 09899045333 · [Linked-in](#), [Github](#)

EDUCATION

Guru Gobind Singh Indraprastha University

New Delhi, India

- *B. Tech - AI and DS: Artificial Intelligence and Data Science* 2022 - Present
- *Courses: Machine Learning, Neural Networks, Data Science, DBMS, OOPS*

SKILLS

- **Programming Languages:** Python, Go, Rust
- **Frameworks:** PyTorch, Keras, Scikit, OpenCV,
- **Tools:** GCP, Git, MySQL
- **Platforms:** Linux, Windows

PROJECTS

- **Medecinal App (GUI, Front end, ML):-**
 - Pitched an idea of a medicine buying app using **Kivy** framework for people with special needs
 - Used **pre-trained ML models** for **face-recognition** and **speech recognition**.
 - Used **openCV** library to access video camera, pass image frames, and draw recognised frames.
- **IMDB Genre Classification (ML, Research, NN):-**
 - Completed a minor research on the performance of different ML models in **multi-label classification** of movie descriptions to predict genres
 - Employed models like **SVC, LogisticRegression, Naive-Bayes**, and deep learning models like **LSTM**, and simple **Dense** layers.
- **SegmentationCV Pipeline:-**
 - Created a pipeline using **YOLOv8** to conduct segmentation on images and an identification model to identify segmented objects.
 - Conducted extensive **testing** and **validation** to ensure the performance and reliability of the model, further deploying on **hugging face**.
- **Semantic Chunking of YT Video (ML, STT):-**
 - Wrote a tool, which if provided with an **YouTube URL** will produce **semantically rich chunks forced-aligned** with the video.
 - Used OpenAI's pre-trained **Whisper model** to convert Speech-to-Text (STT), **Aeneas** for forced alignment.

COURSES

- **Intro to Machine Learning** Kaggle
Learning the core ideas and building basic machine learning models. 2023
- **Machine Learning Specialization** Coursera
Complete specialization by DeepLearning.AI on Coursera under Stanford, taught by Andrew NG. 2024

VOLUNTEER EXPERIENCE

- **AIML Lead at Google Developer Student Club ADGITM** New Delhi, India
Lead the department, while simultaneously mentoring and guiding members Nov'23 to Present
- **President of Quintessence** New Delhi, India
President of official debating society of college. Won a **national debate competition** 2024 to present by **Delhi School of Journalism**, while also organizing various events and summits