

dwani.ai is a multimodal document analytics platform

It can be self-hosted and is designed for Indian + European Languages.

Interact using Text, Voice, Image and Documents for learning, analysis and exploration.

It currently supports 12 Indian languages - Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu and English

During the workshop, you will learn how to use the dwani.ai API and build simple UX programs using python and gradio. You will also get a walk through of the core modules of dwani.ai.

Workshop participants will get Free API access to build their projects and kickstart their entrepreneurial journey

Prerequisites:

1. Python (= >3.10 ) - Mandatory
2. Github Account – Mandatory
3. HuggingFace Account - Mandatory

Demo : <https://workshop.dwani.ai>

Source Code : <https://github.com/dwani-ai/workshop>

PPT : <https://dwani.ai/dwani-ai-workshop.pdf>

dwani.ai Mobile App (Android) :

<https://play.google.com/store/apps/details?id=com.slabstech.dhwani.voiceai>

## Advanced Module

### Prerequisites:

1. Python (>= >3.10 ) - Mandatory
2. Github Account – Mandatory
3. HuggingFace Account - Mandatory
4. Ubuntu ( >22 ) with Nvidia Graphics Drivers - Mandatory
5. Nvidia GPU - Mandatory

### Topics to be covered

- vLLM - [https://docs.dwani.ai/discovery/vllm\\_deploy.html](https://docs.dwani.ai/discovery/vllm_deploy.html)
- Llama-cpp - <https://docs.dwani.ai/local/llama-cpp.html>
- ASR - [https://docs.dwani.ai/multimodal/asr\\_server.html#asr-automatic-speech-recognition-speech-to-text](https://docs.dwani.ai/multimodal/asr_server.html#asr-automatic-speech-recognition-speech-to-text)
- TTS - <https://docs.dwani.ai/multimodal/tts-server.html>
- Vision assistance - Demo - [https://github.com/sachinsshetty/smart\\_city\\_hackathon/blob/main/sachin/vision\\_assistance.py](https://github.com/sachinsshetty/smart_city_hackathon/blob/main/sachin/vision_assistance.py)