



Pre-Trained Model?

*Pre-prepared **spices** ready to enhance the flavor of your dish*



*Pre-Trained Deep Learning **models** to achieve the desired outcome, saving time and effort in the process*

How Pre-Trained Models work ?



Pre-Trained Models in Natural Language Processing (NLP)

1. BERT (Bidirectional Encoder Representations and Transformers)
2. GPT-3 (Generative Pre-trained Transformer 3)
3. XLNet
4. ELMo (Embeddings from Language Models)
5. Transformer-XL
6. RoBERTa (Robustly Optimized BERT)
7. ULMFiT
8. Open AI's GPT-2

Pre-Trained Models in Computer Vision

1. VGG16 (Visual Geometry Group)
2. VGG19
3. ResNet (Residual Network)
4. Inception (GoogleNet)
5. YOLOv8(You Only Look Once)
6. YOLOv9
7. YOLOX
8. MobileNet V2 Classification

Pre-Trained Models in Audio and Speech Recognition

1. Wav2Vec 2.0
2. DeepSpeech
3. Lip Reading
4. Audio set
5. MusicGenreClassification
6. Ultrasound nerve segmentation
7. Text2Speech
8. Espnet
9. Neural sequence labelling model

Benefits of Using Pre-Trained Models

Saves Time

**Improved
Performance**

**Resource
Efficiency**

