

100+ Machine Learning Project Ideas

GAN project ideas

- Font generation
- Anime character generation
- Text2Image (text to image)
- 3D Object generation
- Face Aging
- Image Inpainting
- Super-resolution
- High-resolution image
- Generate Realistic Photographs
- Image-to-Image Translation
- Generate New Human Poses
- Photos to Emojis
- Photograph Editing
- Photo Blending
- Clothing Translation

Time series project ideas

- Imputation
- EEG signal analysis
- Time Series Classification
- Time Series Forecasting
- Time Series Prediction
- Time Series Analysis
- Traffic Prediction
- Stock Market Prediction
- Change Point Detection
- Time Series Clustering
- Spatio-Temporal Forecasting
- Irregular Time Series
- Time Series Alignment
- Time Series Denoising
- Many more

CV project ideas

- Medical Image Segmentation
- Action Localization
- Scene Parsing
- Style Transfer
- Image Captioning
- Visual Question Answering
- Gesture Recognition
- Emotion Recognition
- Object Tracking
- Action Detection
- Image Restoration
- 3D Action Recognition
- Trajectory Prediction
- Image Quality Assessment
- Many more

CV project ideas

- Semantic Segmentation
- Image Classification
- Object Detection
- Image Generation
- Pose Estimation
- Super-Resolution
- Data Augmentation
- Activity Recognition
- Facial Recognition
- Depth Estimation
- Zero, Few-Shot Learning
- Video Classification
- Anomaly Detection
- Image Retrieval
- Instance Segmentation

NLP project ideas

- Sentence Embeddings
- Topic Models
- Question Generation
- Language Identification
- Grammatical Error Correction
- Text Matching
- Fake News Detection
- Text-To-Speech Synthesis
- Question Similarity
- Humour Detection
- Clickbait Detection
- Web Page Tagging
- Meme Classification
- Automated Writing Evaluation
- Many more...

NLP project ideas

- Machine Translation
- Question Answering
- Representation Learning
- Language Modelling
- Sentiment Analysis
- Text Classification
- Data Augmentation
- Text Generation
- Named Entity Recognition
- Text Summarization
- Image Captioning
- Chatbot
- Emotion Recognition
- Table-to-Text Generation
- Zero-Shot Machine Translation

Audio project ideas

- Music Generation
- Audio Classification
- Audio Generation
- Sound Event Detection
- Audio Tagging
- Environmental Sound classification
- Audio Denoising
- Audio Signal Recognition
- Audio-Visual Synchronization
- Vowel Classification
- Bird audio Classification
- Chord Recognition
- Acoustic Scene Classification
- Image Super-Resolution
- Many more

Medical project ideas

- Drug Discovery
- Medical Image Registration
- Cancer detection
- COVID-19 Diagnosis
- Sleep Quality
- Disease Prediction
- Mortality Prediction
- Medical Image Generation
- Seizure Detection
- Pneumonia Detection
- Mitosis Detection
- X-Ray analysis
- Diabetes Prediction