Hugging Face Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Hugging Face training courses offered by Multisoft Systems provide an in-depth exploration into the world of artificial intelligence and machine learning through the lens of one of the most innovative platforms in the industry.

Module 1: Introduction to Hugging Face

- ✓ Overview of Hugging Face and its significance in NLP
- ✓ Exploration of Hugging Face's model repository
- ✓ Introduction to the Hugging Face Transformers library

Module 2: Hugging Face Models

- ✓ Diving deeper into pre-trained models
- ✓ Understanding model architectures: BERT, GPT, T5, and more
- ✓ Hands-on: Fine-tuning a model for sentiment analysis

Module 3: Hugging Face Datasets

- ✓ Overview of the Hugging Face Datasets library
- ✓ Accessing and utilising various datasets for NLP tasks
- ✓ Hands-on: Loading, preprocessing, and using custom datasets

Module 4: Hugging Face Documents

- ✓ Introduction to Hugging Face Documents
- ✓ Leveraging document-level models
- ✓ Hands-on: Building a document summarization application

Module 5: Hugging Face Ecosystem: Pipelines and Tokenizers

- ✓ Utilising Hugging Face Pipelines for easy NLP tasks
- ✓ Customising and chaining pipeline components
- ✓ Hands-on: Creating an NLP pipeline for text generation

Module 6: Model Interpretability and Explainability

- ✓ Importance of model interpretability in NLP

✓ Interpreting model predictions using Hugging Face tools

✓ Hands-on: Using LIME and SHAP for model explanations

Module 7: Advanced Topics in Hugging Face

✓ Multi-modal models: Combining text and images

✓ Cross-lingual and zero-shot learning with Hugging Face

Module 8: Project Showcase and Future Directions

✓ Participants present their Hugging Face projects

✓ Opportunities and challenges in NLP using Hugging Face