

TensorFlow Developer Certificate

COURSE OVERVIEW

This course prepares participants for the TensorFlow Developer Certificate exam. It focuses on practical skills for building and deploying machine learning models using TensorFlow. Delegates will use core APIs to train, evaluate, and optimize models. They will work with neural networks, image and text data, time series, and NLP tasks. By the end of the course, participants will be able to build scalable ML models and apply TensorFlow to real-world AI problems for certification and career growth.

WHO SHOULD ATTEND?

This course is ideal for aspiring machine learning engineers, data scientists, AI developers, and software engineers seeking to build and validate their TensorFlow skills. It is also suitable for students, researchers, and professionals preparing for the TensorFlow Developer Certificate exam or looking to strengthen their practical experience in developing and deploying AI models using TensorFlow. Basic knowledge of Python and machine learning concepts is recommended.

COURSE OUTCOMES

Delegates will gain the knowledge and skills to:

- Understand the structure and functionality of TensorFlow and its core APIs.
- Build, train, and evaluate machine learning and deep learning models.
- Work with image data, time series, and natural language processing tasks.
- Implement convolutional neural networks (CNNs) and recurrent neural networks (RNNs).
- Optimize models for performance and scalability.
- Prepare and clean datasets for training and testing.
- Use TensorFlow tools for deployment and production.
- Demonstrate the skills required to pass the TensorFlow Developer Certificate exam.
- Apply TensorFlow techniques to real-world AI projects and solutions.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Introduction to TensorFlow and its core APIs.
- Building and training machine learning models.
- Deep learning with neural networks (CNNs, RNNs).
- Image classification and computer vision projects.
- Natural language processing with TensorFlow.
- Time series forecasting and data pipeline creation.
- Model evaluation, tuning, and performance optimization.
- Saving, loading, and deploying TensorFlow models.
- Real-world AI project development using TensorFlow.
- Preparation tips and practice for the TensorFlow Developer Certificate exam.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded



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