

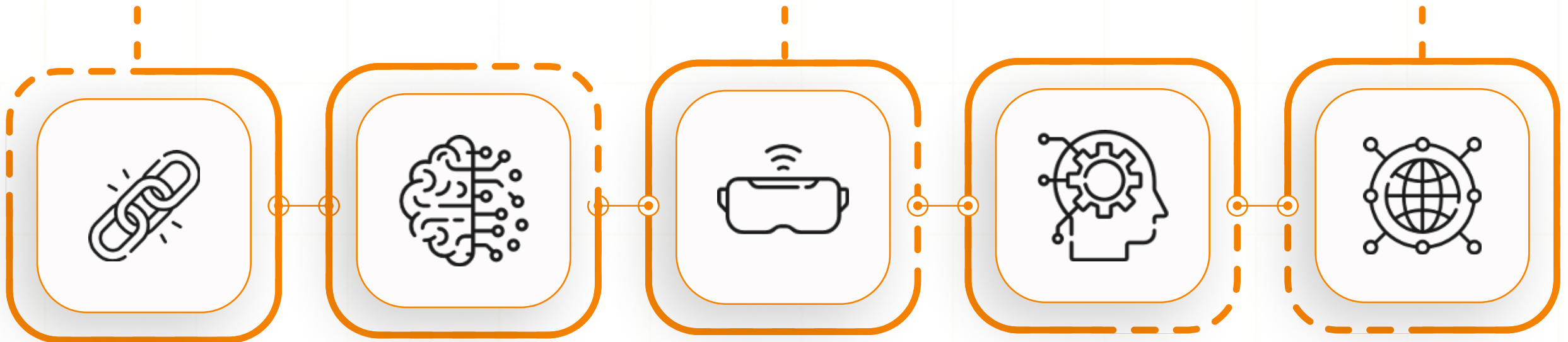
MOST ASKED MACHINE LEARNING

Interview Questions

Blockchain meets
machine learning

Enhanced augmented
reality (AR)

Generative adversarial
network (GAN)



AI- based
self-service tools

Full-stack
deep learning

30 Important Questions



Disclaimer

This Guide contains Most Asked Questions in Machine Learning Interviews to help you prepare for you next Tech Interview

Take the help of this doc and revisit the commonly asked topics of Machine Learning.



Question 1.

Explain the Bias-Variance Tradeoff.

[Practice Here](#)

Asked in :  

Question 2.

What is the difference between L1 and L2 regularization?

[Practice Here](#)

Asked in :  

Question 3.

How does the Gradient Descent algorithm work?

[Practice Here](#)

Asked in :  



Question 4.

Explain the concept of Cross-Validation.

[Practice Here](#)

Asked in :  

Question 5.

What is the purpose of the Activation Function in Neural Networks?

[Practice Here](#)

Asked in :  

Question 6.

Describe the difference between supervised and unsupervised learning.

[Practice Here](#)

Asked in :  



Question 7.

What are the advantages and disadvantages of Decision Trees?

[Practice Here](#)

Asked in :  

Question 8.

Explain the concept of ensemble learning.

[Practice Here](#)

Asked in :  

Question 9.

What is a Confusion Matrix, and how is it used?

[Practice Here](#)

Asked in :  



Question 10.

How do you handle missing data in a dataset?

[Practice Here](#)

Asked in :



Question 11.

What is the difference between Bagging and Boosting?

[Practice Here](#)

Asked in :



Question 12.

What is a ROC curve, and what does it represent?

[Practice Here](#)

Asked in :



Question 13.

Explain Principal Component Analysis (PCA).



[Practice Here](#)

Asked in :  

Question 14.

How do you prevent overfitting in a model?

[Practice Here](#)

Asked in :  

Question 15.

What is the role of a cost function in machine learning?

[Practice Here](#)

Asked in :  



Question 16.

Describe how K-means clustering works.

[Practice Here](#)

Asked in :  

Question 17.

What is the difference between a parametric and a non-parametric model?

[Practice Here](#)

Asked in :  

Question 18.

Explain the concept of regularization in machine learning.

[Practice Here](#)

Asked in :  



Question 19.

What are Support Vector Machines (SVM), and how do they work?

[Practice Here](#)

Asked in :



Question 20.

What is the difference between Gradient Descent and Stochastic Gradient Descent?

[Practice Here](#)

Asked in :



Question 21.

Explain the concept of Feature Engineering.

[Practice Here](#)

Asked in :



Question 22.

How do you evaluate the performance of a machine learning model?

[Practice Here](#)

Asked in :



Question 23.

What is the purpose of hyperparameter tuning?

[Practice Here](#)

Asked in :



Question 24.

Explain the concept of a Random Forest.

[Practice Here](#)

Asked in :

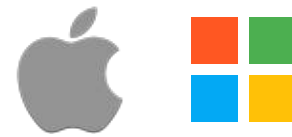


Question 25.

What is the difference between classification and regression?

[Practice Here](#)

Asked in :



Question 26.

How do you deal with imbalanced datasets?

[Practice Here](#)

Asked in :



Question 27.

What is a Naive Bayes classifier, and how does it work?

[Practice Here](#)

Asked in :



Question 28.

Explain the concept of dimensionality reduction.

[Practice Here](#)

Asked in :



Question 29.

How do you choose the right machine learning algorithm for your problem?

[Practice Here](#)

Asked in :



Question 30.

What is the difference between precision and recall?

[Practice Here](#)

Asked in :

