

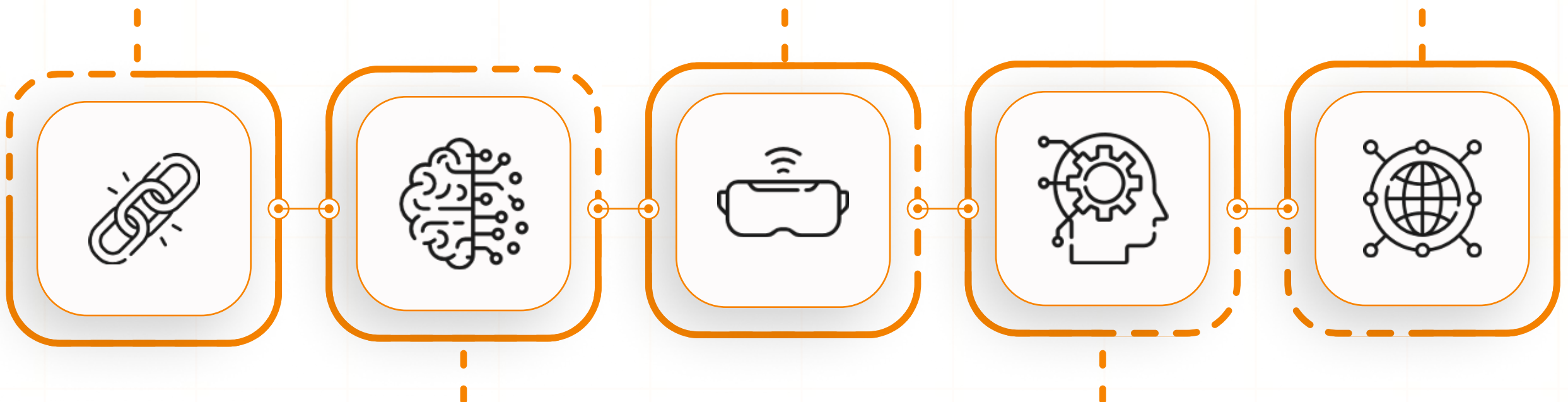
# MOST ASKED MACHINE LEARNING

## 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 your 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 :

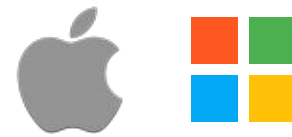


### Question 25.

**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 :





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