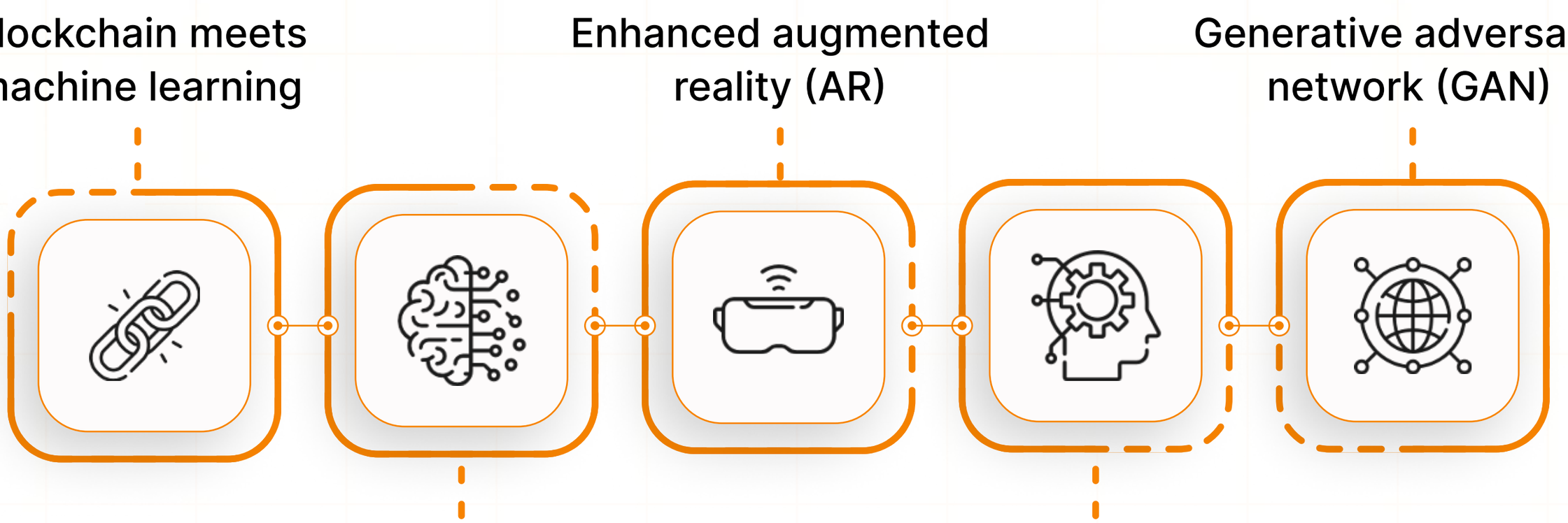
BOSSCODER ACADEMY

MOST ASKED

MACHINE LEARNING

Interview Questions



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 :

BOSSCODER ACADEMY

WHY BOSSCODER?

1000+ Alumni placed at Top Product-based companies.

More than **136% hike** for every 2 out of 3 Working Professional.

Average Package of **24LPA**.

> The syllabus is most **up-to-date** and the list of problems provided covers **all important topics.**
>
> **Lavanya**
> Meta

> Course is very well **structured** and **streamlined** to crack any **MAANG** company .
>
> **Rahul**
> Google

EXPLORE MORE