

Interview Questions to Ask a Machine Learning Engineer| Xobin [Downloaded]

We at Xobin reached out to over 70+ Hiring teams to curate the best interview questions. We didn't stop there.

We went ahead to understand what type of answers differentiated the top candidate from the rest. Here is what we've got for you.

Role-specific skills to look for : Mathematical skills, data analysis, Python, Java programming, and Natural Language Processing.

Soft skills to look for: Problem Solving, Analytical, reasoning ability, communication skills, and Team management.

Pro Tip: Always screen before your interview. Use [Online Assessment to screen applicants for a Machine Learning Engineer](#) position before blocking your time for an in-person interview.

Compilation of Machine Learning Engineer Interview Questions

Role-Based Interview Questions to ask a Machine Learning Engineer



How is a social network and message board like Reddit service designed?

Purpose of the question: The question is designed to analyze the candidates understanding of solving problems and creating designing systems to help clients.

What to listen for in candidate response: An ideal answer would include an explanation of things like problem states, general problems, emerging technologies, etc.



What are the recent bleeding-edge technologies? How can we use them?

Purpose of the question: This question is designed to test if the candidate is following new technology hype and research.

What to listen for in candidate response: Top candidate would list out the new emerging tech and their interpretation of its usage.



How are Machine learning and deep learning different?

Purpose of the question: Since deep learning is a subset of ML this question tests the knowledge of the candidate about their knowledge of the basics of machine learning.

What to listen for in candidate response: Listen for the specific terms and points that differentiate between the two.



Explain how a system can play chess using reinforcement learning.

Purpose of the question: Major purpose of this question is to get know-how easily can the candidate explain complex topics and applications in simple words.

What to listen for in candidate response: Top candidates would explain what is reinforcement learning and how it has been applied to the system.



What are precision and recall?

Purpose of the question: Knowledge of basic machine learning concepts like precision and recall is a sign of a top candidate.

What to listen for in candidate response: Listen for the specific terms and mathematical formulas that explain precision and recall.



What is the difference between an array and a linked list?

Purpose of the question: Concepts like an array and a linked list are some of the commonly used over all the programming languages, hence the knowledge of these concepts is crucial for any kind of software development job position.

What to listen for in candidate response: Listen for the specific terms that explain array and a linked list.



Can you explain false negative, false positive, true negative, and true positive with a simple example?

Purpose of the question: The following question is designed to test the knowledge of the candidate about the basics of Machine learning.

What to listen for in candidate response: Make sure the example candidate provides explains all the terms false negative, false positive, true negative, and true positive.



You are given a data set. Let's suppose when you build a classification model you achieved an accuracy of 90%. What can you do about this?

Purpose of the question: This question is designed to test the analytical skills and problem-solving abilities of the candidate.

What to listen for in candidate response: The top candidates would list out the ways of improving the data accuracy.



Can you find the errors in the following code.

```
bill_data=pd.read_csv("datasetsTelecom Data AnalysisBill.csv")
bill_data.shape()
Dupes = bill_data.duplicated()
sum(dupes)
bill_data_uniq = bill_data.drop_duplicate()
```

Purpose of the question: A question like this would help in finding how much attention to detail the candidate has.

What to listen for in candidate response: A top candidate would point out the errors from the code.



What do you know about Kernel SVM?

Purpose of the question: Knowledge of basic machine learning concepts like Kernel SVM is a sign of a top candidate, as it is one of the best-known algorithms of Machine learning.

What to listen for in candidate response: Listen for the specific terms that explain Kernel SVM.

Situational Interview Questions to ask a Machine Learning Engineer



Why do you want to work for our company?

Purpose of the question: This question is designed to know what kind of information does the candidate has about your company culture and what has excited them to join your organization.

What to listen for in candidate response: Listen for the detail about what has driven the candidate to work for your organization.



What is the project you have recently worked on are working on?

Purpose of the question: This question is designed to know details about the candidate's recent projects to know about what kind of tools and concepts they are familiar with.

What to listen for in candidate response: Listen for the details of the project and what kind of application it has in real life and what updated ML functions it uses.



What are some principles every software developer should follow, in your opinion?

Purpose of the question: Being aware of the responsibility and skills required as a professional is a sign of a top candidate.

What to listen for in candidate response: Listen for the specific skills required for a Machine learning engineer and if the candidate fits the company culture or not.



How do you set goals for yourself, can you give an example?

Purpose of the question: Since the planning of goals and time management is a critical ability for this job role, hence this question tests the same.

What to listen for in candidate response: Ideal candidates would elaborate on what basis they set their goals and their dedication towards them.



How do you deal with a failed deadline?

Purpose of the question: Being able to deal with deadlines is a sign of a top candidate.

What to listen for in candidate response: Look for evidence of sincerity and dedication.



Where do you see yourself in the next 5 years?

Purpose of the question: This question is designed to understand the future goals and if that is relevant and realistic to the position.

What to listen for in candidate response: Listen for the skills the candidate wants to develop and how would it help the company.



What are your salary expectations?

Purpose of the question: This question helps in understanding what the market is currently paying for certain qualifications, experience, and skills.

What to listen for in candidate response: Top candidates would give the range of salary they expect.



How do you stay up to date with the latest technologies?

Purpose of the question: Being updated with the latest trends in the market is a sign of a top candidate.

What to listen for in candidate response: Look for evidence of the understanding of the new trends in the candidate.



What strengths do you think are most important for your job position?

Purpose of the question: Being aware of the responsibility and skills required as a professional is a sign of a top candidate.

What to listen for in candidate response: Listen for the specific skills required for a Machine learning engineer and if the candidate fits the company culture or not.



What influenced you in this career?

Purpose of the question: With this question, you can test the candidate's dedication, influence, and self-awareness.

What to listen for in candidate response: An ideal candidate should be able to work in both situations.

Start Optimizing your Machine Learning Engineer Hiring today

Find and hire talent with confidence. If your candidate doesn't know the answer to the above questions and you're hiring for a Machine Learning Engineer position, then they're obviously not a great fit.



Prepared and Curated by Xobin Team