1. Can you explain the difference between supervised and unsupervised learning?
2. How do you approach selecting the right model for a given problem?
3. Describe your experience with Python (or R) in developing machine learning models.
4. Which machine learning frameworks and libraries have you used, and for what purposes?
5. How do you handle missing data in a dataset?
6. Can you give an example of a feature engineering technique you've used to improve model performance?
7. How do you evaluate the performance of a machine learning model?
8. What techniques do you use to optimize and finetune machine learning models?
9. Explain a project where you used deep learning. What architecture did you choose and why?
10. What is the difference between a convolutional neural network (CNN) and a recurrent neural network (RNN)?
11. Describe your experience with NLP techniques. Have you worked with any specific NLP frameworks?
12. How have you applied computer vision in your past projects?
13. Have you worked with Hadoop or Spark? If so, how did you use them in your projects?
14. Describe your experience with cloud platforms like AWS, Google Cloud, or Azure.
15. How do you use Docker or Kubernetes in your machine learning workflows?
16. Can you walk us through a machine learning project you led from start to finish?
17. What was the most challenging problem you encountered in a machine learning project, and how did you solve it
18. How do you ensure that your machine learning models can scale to handle large datasets?
19. Describe a situation where you had to optimize a model for better performance. What steps did you take?
20. How do you approach collaborating with cross functional teams on machine learning projects?
21. Can you provide an example of a successful team project and your role in it?
22. How do you explain complex machine learning concepts to nontechnical stakeholders?
23. Describe a time when you had to present your findings or model results to a diverse audience.
24. How do you stay updated with the latest trends and advancements in machine learning and AI?
25. What recent research papers or articles have you read that influenced your work?
26. Have you attended any industry conferences or workshops? What was the most valuable takeaway?
27. What are your professional goals as a machine learning engineer?
28. Describe a time when you had to quickly adapt to a significant change in a project or technology. How did you handle it?

29. Tell us about a time when you had to solve a difficult problem with limited resources or information.
30. Can you give an example of an innovative solution you developed in your past work?
31. Why are you interested in working at Tech Innovators Inc.?
32. What do you hope to achieve in this role?
33. How do you align with our company's values and mission?
34. What do you think you can bring to our team that sets you apart from other candidates?