

Interview Questions - Devsinc AI Intern

1. Tell me about yourself.
2. Why did you choose AI as your field your previous field is mathematics ?
3. What is the difference between regression and classification?
4. What are precision, recall, and F1-score?
5. What is a confusion matrix, and why is it useful?
6. What are ROC and AUC?
7. What is regularization and why is it used?
8. What are hyperparameters in a neural network?
9. What is the role of the Adam optimizer?
10. What is data normalization vs. standardization?
11. What is data augmentation in computer vision?
12. What does CNN do in image processing?
13. Why did you use CNN for your lipstick shade project?
14. What is a dropout layer in CNN and why is it used?
15. What is the role of pooling layers in CNN?
16. Explain backpropagation in simple terms.
17. Explain activation functions (ReLU, Sigmoid, Softmax).
18. What is transfer learning and have you used it?
19. What is RAG (Retrieval-Augmented Generation)?
20. What is embedding in NLP?
21. What is tokenization in NLP?
22. Explain your lipstick shade detection project.
23. How you worked on it?
24. How did you collect and label your dataset for lipstick detection?
25. How do you handle images where lipstick is partially visible or lighting varies?
26. How do you evaluate model performance for your lipstick project?
27. Explain how you worked on the Agentic Traveller Planner project.
28. How did you integrate AI into your project workflow (APIs, pipelines)?
29. What is list comprehension in Python?
30. What libraries do you commonly use for AI development?
31. What is an API key?
32. What is CrewAI?
33. What platforms or tools have you used for deployment?
34. How do you preprocess data before training a model?
35. How do you choose the right algorithm for a problem?
36. How do you clean and preprocess raw data before using it in ML?