

Q1. What is Scikit-learn and what machine learning or AI problems is it designed to solve?

Answer:

Q2. Explain the core abstractions or APIs in Scikit-learn (models, tensors, pipelines, agents).

Answer:

Q3. How does Scikit-learn handle training: defining a model, specifying a loss, and running optimization?

Answer:

Q4. What is Scikit-learn's approach to data ingestion, preprocessing, and batching?

Answer:

Q5. How do you evaluate model performance in Scikit-learn (metrics, validation sets, cross-validation)?

Answer:

Q6. How does Scikit-learn support model deployment and serving in a production environment?

Answer:

Q7. What hardware acceleration does Scikit-learn support (GPU, TPU) and how do you configure it?

Answer:

Q8. How does Scikit-learn handle distributed or multi-GPU training?

Answer:

Q9. What are common debugging techniques for model training issues in Scikit-learn?

Answer:

Q10. How do you version and experiment-track models in a Scikit-learn-based ML workflow?

Answer:
