

Quantization - Interview Sheet

Top 10 Quantization Interview Questions - AI/ML

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Top 10 Interview Questions

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

Answer:

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

Answer:

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

Answer:

Q4. What is Quantization's approach to data ingestion, preprocessing, and batching?

Answer:

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

Answer:

Q6. How does Quantization support model deployment and serving in a production environment?

Answer:

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

Answer:

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

Answer:

Q9. What are common debugging techniques for model training issues in Quantization?

Answer:

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

Answer: