

Semantic Search - Interview Sheet

Top 10 Semantic Search Interview Questions - Generative AI

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Top 10 Interview Questions

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:
