**Your grade: 100%**

Your latest: **100%** • Your highest: **100%** • To pass you need at least 66%. We keep your highest score.

Next item →

1. Imagine you're working on an AI project that involves creating new content such as images, music, and language. Which artificial intelligence technology would you be primarily focused on?

1 / 1 point

- ◯ Neural Networks
- ⦿ Generative AI
- ◯ Natural Language Processing (NLP)
- ◯ Machine Learning

⊘ **Correct**
Correct! Generative AI is the subset of AI that concentrates on producing new data and content, including images, music, language, and more.

2. What sets deep learning apart from traditional neural networks?

1 / 1 point

- ◯ Linear transformations in data analysis
- ◯ Improved computational efficiency
- ◯ Enhanced cloud computing integration
- ⦿ Multiple layers of neural networks

⊘ **Correct**
Correct! Deep learning is characterized by its use of multiple layers, enabling complex pattern recognition.

3. In the realm of machine learning, what significant application involves the task of predicting items of interest for users based on their past interactions or behaviors?

1 / 1 point

- ◯ Optimizing search engine ranking algorithms
- ⦿ Recommender systems for personalized content suggestions
- ◯ Identifying fraudulent transactions in real-time
- ◯ Analyzing retail sales trends for inventory management

⊘ **Correct**
Correct! Recommender systems use machine learning to predict and suggest items of interest to