Why Deep Learning Is Becoming So Popular?

Deep learning is becoming popular due to several factors:

- **Exponential growth of data:** The increased use of smartphones and social media platforms has led to an explosion of data. This data can be used to train deep learning models, which has led to significant improvements in accuracy and performance.
- **Ability to handle complex problems:** Deep learning models can handle more complex problems than traditional machine learning algorithms. This is because they can extract more features from the data and learn more complex relationships between the features.
- **Decreased cost of hardware:** The cost of hardware has decreased significantly, making it more affordable to train deep learning models. This has made deep learning more accessible to a wider range of people and organizations.
- **Simplified machine learning pipeline:** Deep learning models can combine feature extraction and training into a single step, which simplifies the machine learning pipeline.
- **Ability to solve complex problems:** Deep learning can solve complex problems such as natural language processing, image classification, object detection, and speech recognition.