Concept Connections

1.Machine Learning & Training Data – Machine Learning models depend on Training Data to find patterns and improve performance.

2.Neural Networks & Deep Learning – Deep Learning is built from multiple layers of Neural Networks working together.

3.Large Language Models & Transformers – Transformers are the architecture that powers Large Language Models like GPT-4.

4.OpenAI & ChatGPT – OpenAI created ChatGPT as part of its research into conversational AI.

5.Bias & Fairness – Fairness in AI requires addressing Bias in data and algorithms.

6.Hallucination & Accuracy – When an AI hallucinates, its Accuracy drops because it provides false information.

7.Geoffrey Hinton & Neural Networks – Geoffrey Hinton pioneered the use of Neural Networks in deep learning research.

8.DeepMind & AlphaGo – DeepMind developed AlphaGo, the program that defeated a Go world champion.

9.Fei-Fei Li & ImageNet – Fei-Fei Li built ImageNet, a dataset that accelerated computer vision breakthroughs.

10.NVIDIA & GPUs – NVIDIA produces GPUs that provide the computing power needed for AI training.

11.Microsoft & OpenAI – Microsoft invested heavily in OpenAI and integrates its AI models into products like Bing and Office.

12.Automation & Jobs – Automation powered by AI can replace some jobs while also creating new ones.

13.Ethics & Regulation – AI Ethics often guides the need for Regulation to protect people from harm.