Name-Deeptanshu Gorai
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Subject-Internet Technology
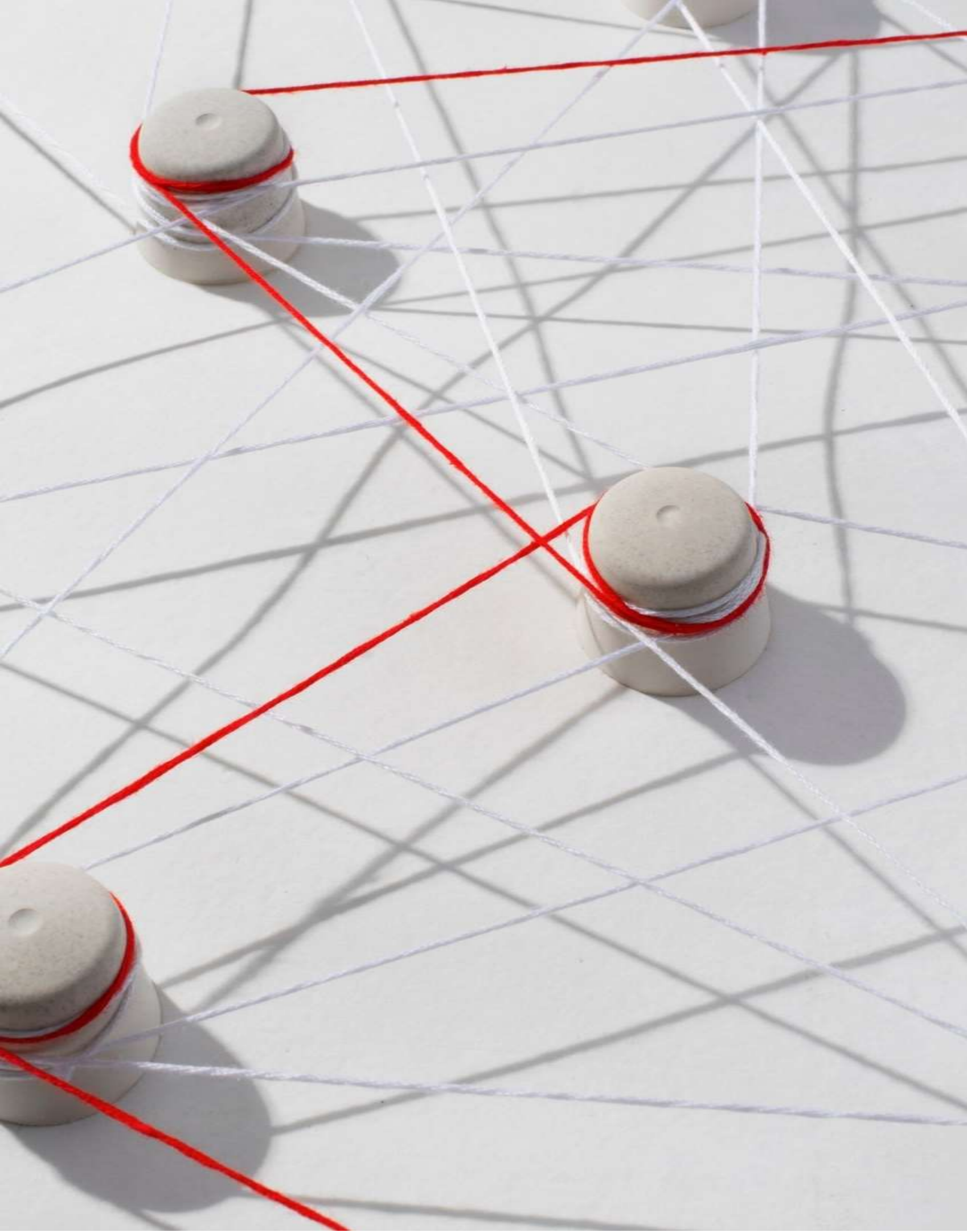
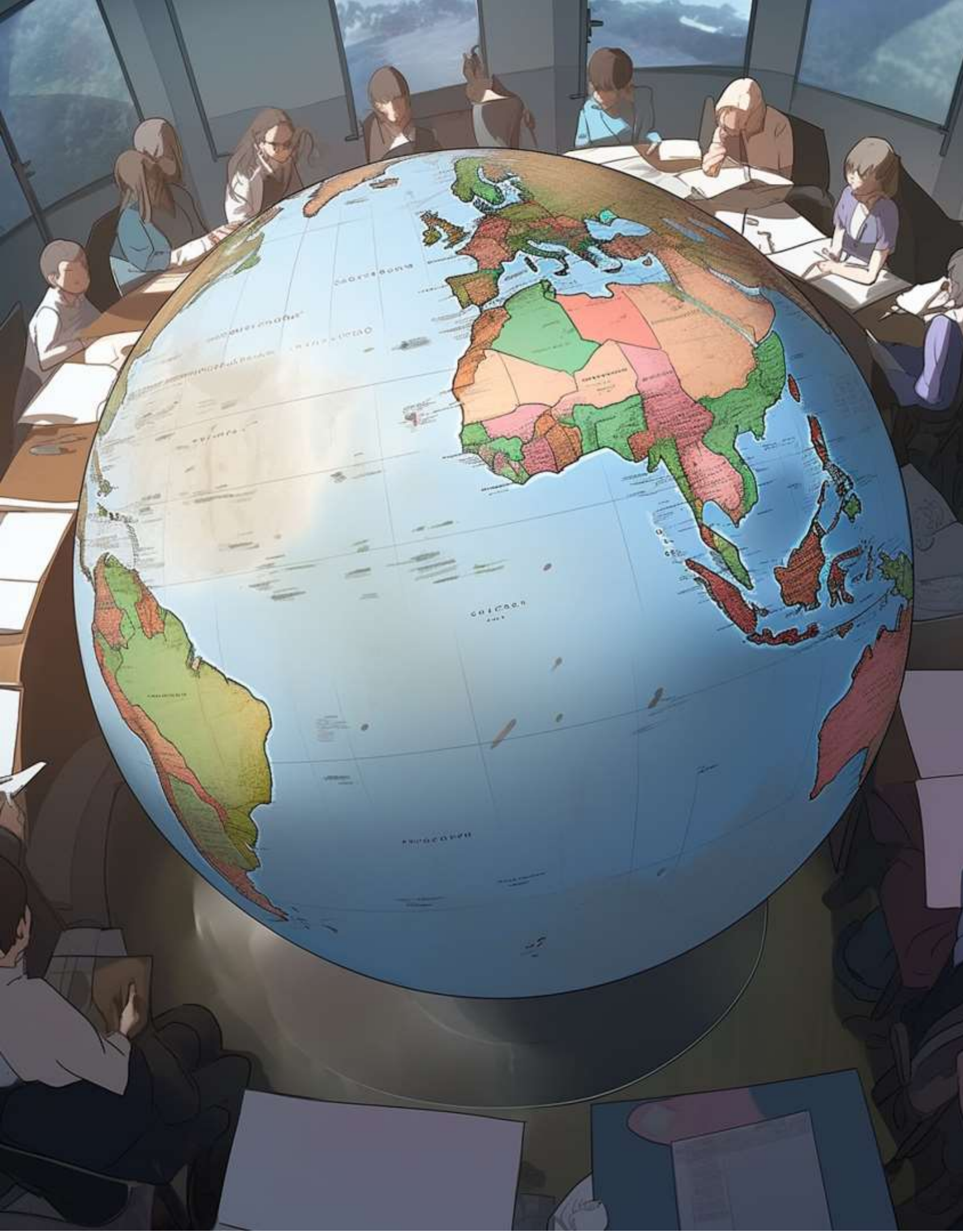# Different types of networks and it's characteristics

# Introduction to Network Diversity

In today's interconnected world, network diversity plays a crucial role in enhancing communication and resource sharing. This presentation explores the characteristics and classifications of various network types, emphasizing their unique features and functionalities.

# What is Network Diversity?

Network diversity refers to the variety of network types and their characteristics. It encompasses different topologies, protocols, and technologies that enable seamless communication across various platforms, enhancing both efficiency and resilience.
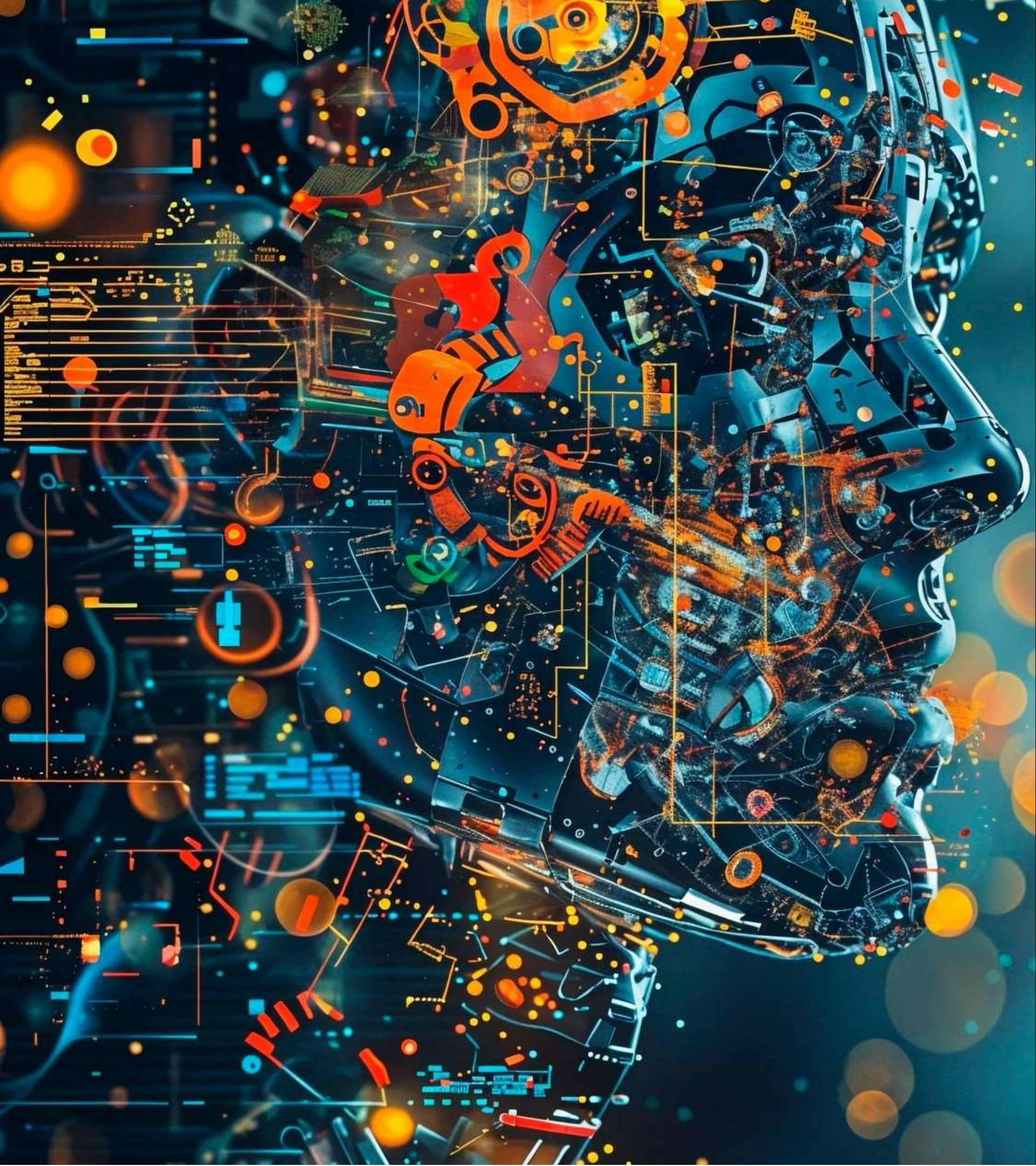
# Types of Networks

Networks can be broadly classified into LAN, WAN, MAN, and PAN. Each type serves distinct purposes, with LAN focusing on local connectivity, while WAN connects broader geographical areas, enhancing global communication.

# Characteristics of LANs

Local Area Networks (LANs) are characterized by high speed, low latency, and limited geographical coverage. They are ideal for connecting computers within a building or campus, facilitating efficient resource

sharing among users.

# Characteristics of WANs

Wide Area Networks (WANs) span large geographical areas, often connecting multiple LANs. They typically exhibit lower bandwidth and higher latency, making them suitable for long-distance communication and data transfer across regions.

# Importance of Network Diversity

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Embracing network diversity is essential for fostering innovation and ensuring reliability. Different network types cater to specific needs, enhancing overall performance and providing organizations with the flexibility to adapt to changing demands

# Conclusion

In conclusion, understanding the characteristics and classifications of various network types is vital for optimizing communication strategies. Emphasizing network diversity not only improves efficiency but also prepares organizations for future challenges.

Thanks!