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23h •

Systems are everywhere! 🌍🔗
From biology and physics to mathematics and software—everything operates within a system. (Currently reading 'Thinking in Systems' by Donella Meadows. 📖)

A system is essentially a set of interconnected elements with a function or purpose. But here's the catch—systems are more than just the sum of their parts! (Think, दो और दो पाँच, 2+2=5 🤯). With feedback loops and self-organization, they create emergent behaviors that are often unpredictable but can be useful!!.

One powerful way to represent systems? Graphs! 📊

Graphs are everywhere—social networks, molecular structures, geometric shapes, and more. But what happens when we take graphs a step further? Knowledge Graphs bring us even closer to modeling reality, unlocking new AI possibilities. 🚀

Here's what I'm currently exploring in this space:
✅ Graph RAG – Retrieving relational contexts beyond similarity (building a chatbot on Indic wisdom 📜🤖)
✅ Graph Neural Networks (GNNs) – Learning embeddings for predictions/classifications (consulting project)
✅ Geometric Deep Learning – Developing invariant representations for tasks like dimensionality reduction (research with a top IIT team)
✅ Graph-based Agents – Automating workflows with intelligent agents (potential MicroSaaS idea, that's 'Systems + Graphs' 💡)

🔍 Are you working on AI with systems or graphs? Drop me a message if you've made exciting progress in any of these fields. 💬

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