

Conversational Memory Systems in Chatbots

Overview

Conversational memory enables chatbots to maintain continuity and recall across sessions. It enhances user engagement and response personalization.

Memory Types

• Short-term Memory – active session-level storage. • Long-term Memory – persistent context (vector or database-backed). • Episodic Memory – contextual snapshots capturing dialogue history.

Implementation Approaches

• Context windows with LLMs (token-based) • Vector database retrieval using embeddings • Hybrid architectures combining rules and embeddings