

Agentic RAG – Categorised by Autonomy

High Autonomy

Category	Short Description	Why It Matters
■ Self-Learning RAG	Updates itself from feedback	Keeps knowledge fresh
■ Planned Orchestration RAG	Breaks tasks into retrieval steps	Solves complex queries
■ Feedback-Driven Iterative RAG	Refines retrieval until quality met	High-quality answers

Medium–High Autonomy

Category	Short Description	Why It Matters
■ Tool-Calling RAG	Invokes APIs/tools mid-retrieval	Expands capabilities
■ Graph-Enhanced RAG	Uses knowledge graphs for precision	Strong relational reasoning
■ Multi-Modal RAG	Combines text, image, video retrieval	Richer context sources
■ Goal-Oriented RAG	Focused retrieval for specific aim	Targeted, relevant outputs

Medium Autonomy

Category	Short Description	Why It Matters
■ Multi-Turn Agentic RAG	Context-aware over multiple turns	Rich, coherent dialogues
■ Verification-Augmented RAG	Validates facts before output	Reduces hallucinations
■ Memory-Augmented RAG	Combines recall + retrieval	Long-term context retention