

THE PRODUCTION-READY OPEN SOURCE AI FRAMEWORK

Haystack is the open source AI orchestration framework by [deepset](#) that is trusted by Python developers to build real-world, agentic AI systems



Build flexible pipelines

using Haystack's built-in components, or create your own.



Integrate smoothly

with model providers, vector databases, and AI tools in a fully modular setup—switch anytime.



Customize with full control

by adding loops and branches to your pipeline, and tailor data flow to fit your use case.



Deploy effortlessly

and serve your pipeline as REST APIs with Hayhooks.



Monitor and optimize

with tracing and logging for observability and continuous evaluation.

MEET THE HAYSTACK ECOSYSTEM

160+

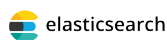
Components

65+

Integrations

70+

Tutorials & Recipes



FEATURED INTEGRATIONS



ANTHROPIC



LLaMA
by Meta



DEVELOPERS AROUND THE WORLD USE HAYSTACK FOR ALL TYPES OF AI APPLICATIONS

“What drew me in was how it bridges the gap between cutting-edge AI and practical, real-world implementation. It’s not just a tool for experts—it’s designed for anyone who wants to build meaningful AI applications, regardless of where they’re starting.”

Devashish Kamble,
Applied Researcher

“I’ve played around with a few different Generative AI frameworks, and Haystack was by far the easiest for me to understand, use, and customize.”

Gilad Rubin,
AI & ML Consultant

“Haystack allows its users a production ready, easy to use framework that covers just about all of your needs, and allows you to write integrations easily for those it doesn’t.”

Josh Longenecker,
Generative AI Specialist, AWS



Advanced Retrieval

Use advanced techniques like Hybrid Search, Sentence Window Retrieval, and HyDE to efficiently analyze large legal document repositories, ensuring highly accurate and relevant search results.



Retrieval Augmented Generation (RAG)

Build a RAG system that extracts insights from live earnings calls of major tech and finance companies, generating accurate and contextually rich answers to complex queries.



Agents

Create your own AI co-pilot that integrates multiple data sources, combines RAG and Text-to-SQL capabilities, and streamlines tasks with advanced reasoning and decision-making.

JOIN OUR COMMUNITY AND START BUILDING



Visit us at haystack.deepset.ai