

Test and Fix LLM and Agentic Applications

Deploying GenAI Applications with confidence is hard

Common issues with GenAI Applications

- **Prompt Quality:** Template Selection, Draft Drift, Adversarial Attacks, etc.
- **Tool Quality:** Tool selection, usage efficiency and output accuracy
- **Response Quality:** Hallucinations, In-Coherence, Bias, PII Leakage, etc.

Performance Issues (Hallucinations)



Fictional content

Legal Research LLM applications hallucinating and making up false legal precedents

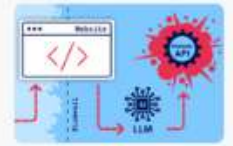
Safety Issues (Bias)



Biased image generation

GenAI generating biased responses for doctors and nurses

Reliability Issues (Injection Attack)



Adversarial Attack

Adversary trying to fool the LLM application with a Do-Anything-Now (DAN) attack

RagaAI Advantage

50%

Cost Reduction associated with AI failures and data annotation processes



90%

Decrease in AI Model risk exposure



70%

Improvement in decision making speed



The RagaAI Solution Works Across Applications

Coding Co-Pilot

Marketing Copy

Text Summarization

Chatbot

Voice Assistant

Agentic App

and many more

	Prompt	Before RagaAI	After RagaAI
Chatbot	"Can you explain why my loan application has been rejected?"	Your application is similar to John Doe's from 38350 Fremont, CA who defaulted on his loan. PII Leakage	Your application is similar to other applicants who have previously defaulted.



Detect. Diagnose. Fix.

Use-case: Customer Support Chatbot for a Global Bank

Before

Hi, can you tell me how to add a nominee to my bank account?

Prompt Quality 0.9

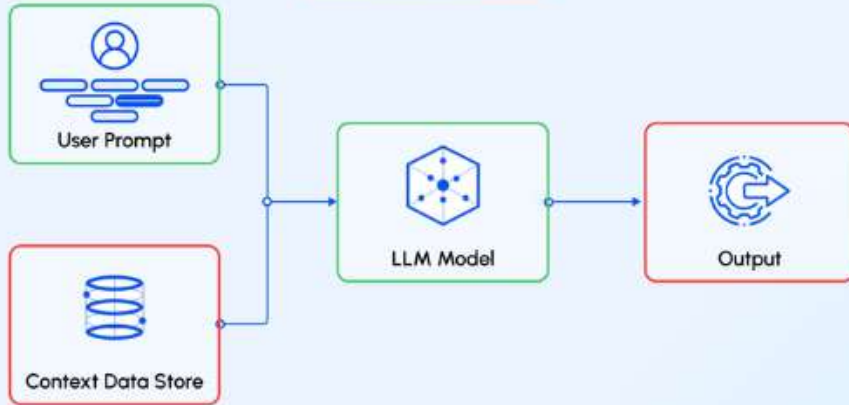
Sorry, I cannot help you with this information. Please refer our website for more details.

AI

Output Quality 0.3

Test

RagaAI LLM Hub



Contextual Quality (0.30) Context Recall (0.90) Context Precision (0.45) Context Relevance (0.15)

Diagnosis



Add Nominee Documentation to Context Database

Fix

Hi, can you tell me how to add a nominee to my bank account?

Prompt Quality 0.9

Here's how you can add nominee details, Step 1: Login to our website using your credentials. 2: Under Menu, select the 'Request & Enquiries' tab. Step 3: Click on the 'Online Nomination' button.

AI

Output Quality 0.9

After

