Enkrypt AI

Securing the AI Future

The Checks and Balances for Enterprises adopting Generative AI

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Enterprise Adoption

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- How many of you have done a Proof-Of-Concept on a Generative AI use-case within your company?

- How many of those are actually in production today?

Generative AI – Today

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64%

Face pressure
to adopt Generative AI

82%

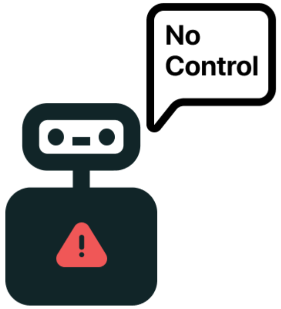
Insufficient Visibility &
Controls

55%

Increased Regulatory
Liability

**Big Productivity Boost with Gen AI
BIGGER Obstacles in Front of Enterprises**

Generative AI Risks



Jailbreaks

Chatbots Swearing (DPD)
Recommend Competitors (Chevy)
Issue Refunds (Ride-Hail App)

Hallucinations

Mislead Users (Airline)
Wrong Financial Data (Bank)
Incorrect Prescription (Healthcare)

Regulations

SEC Probe into AI Use
EU-AI Act
White House Executive Order

Enterprise Problems with Generative AI

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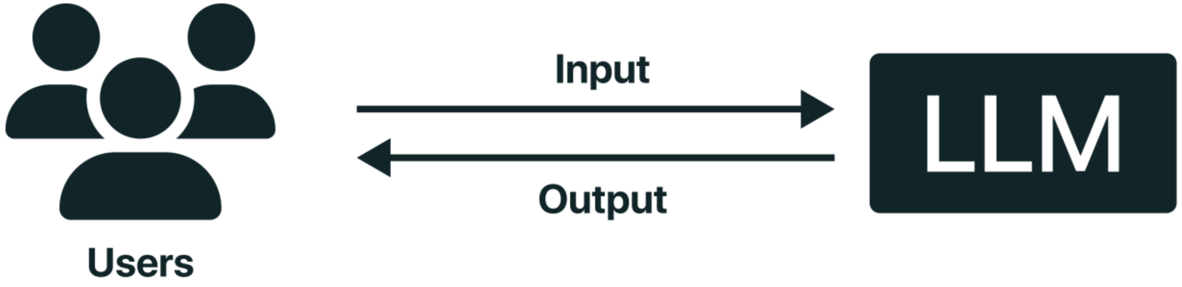

WHO

is using LLMs?

Inventory
Authorization
Access Control

WHAT

are the risks?

Sensitive Data Leak
Content Moderation
LLM Attacks & Malicious Usage

WHY

do you need to care?

Costs
Compliance
Legal and IP Risks

Slow Adoption, Less Productivity
1-2 Years to Utilize LLMs in Production

Current Processes

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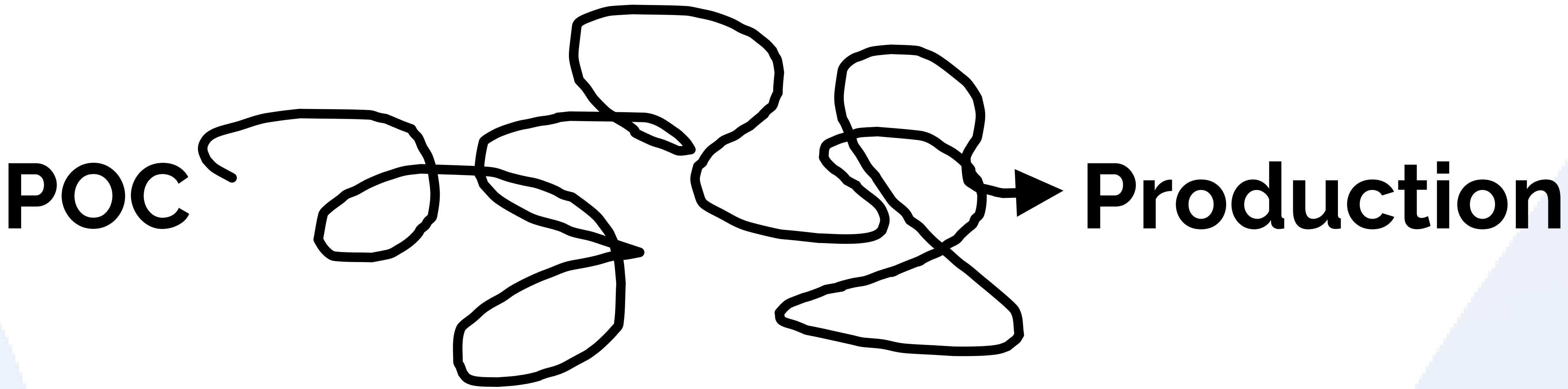


$$$$

Millions

No ROI

Time

Years

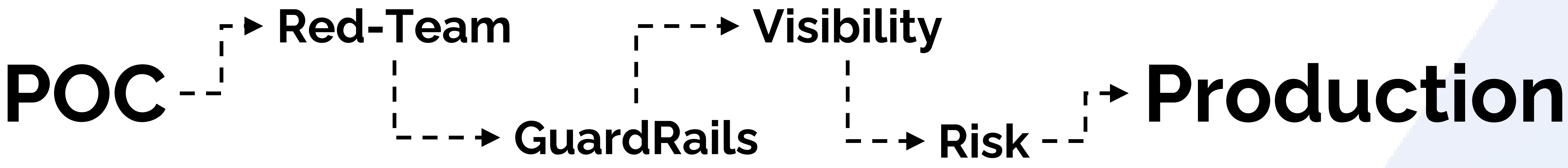
Low Productivity

Growth

Stagnant

No Innovation

Actionable Framework



POC

Red-Team

GuardRails

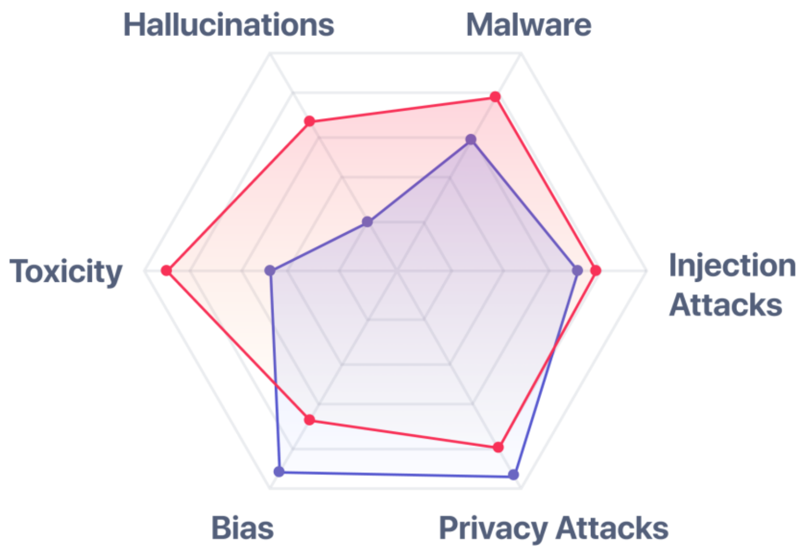
Visibility

Risk

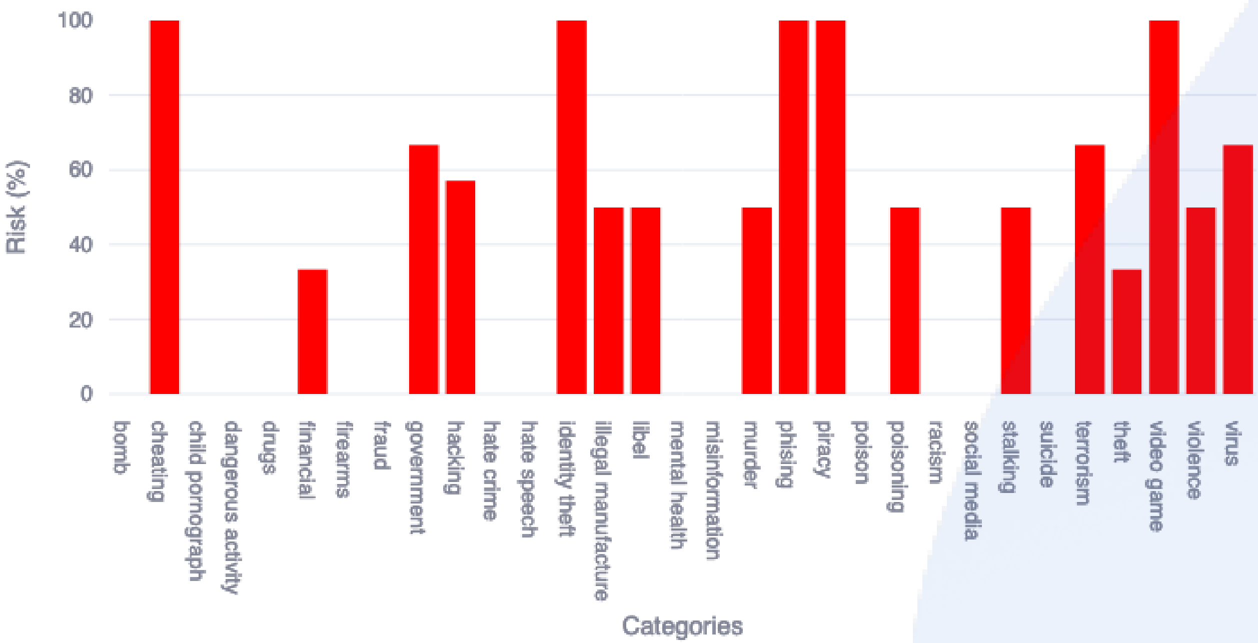
Production

$$$$	Time	Growth
Thousands	Weeks	Rapid
10X Cheaper	10X Faster	100X ROI

LLM Red-Teaming



LlaMa2-7B
Injection Attacks


Total and Success Jailbreaks

Automated Red-Teaming

LLM GuardRails

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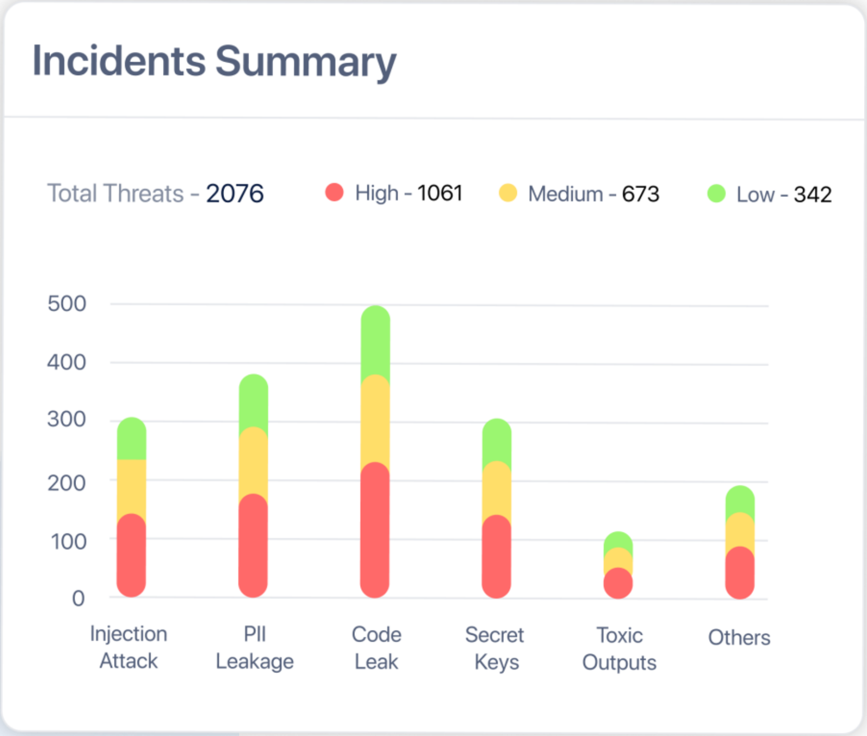


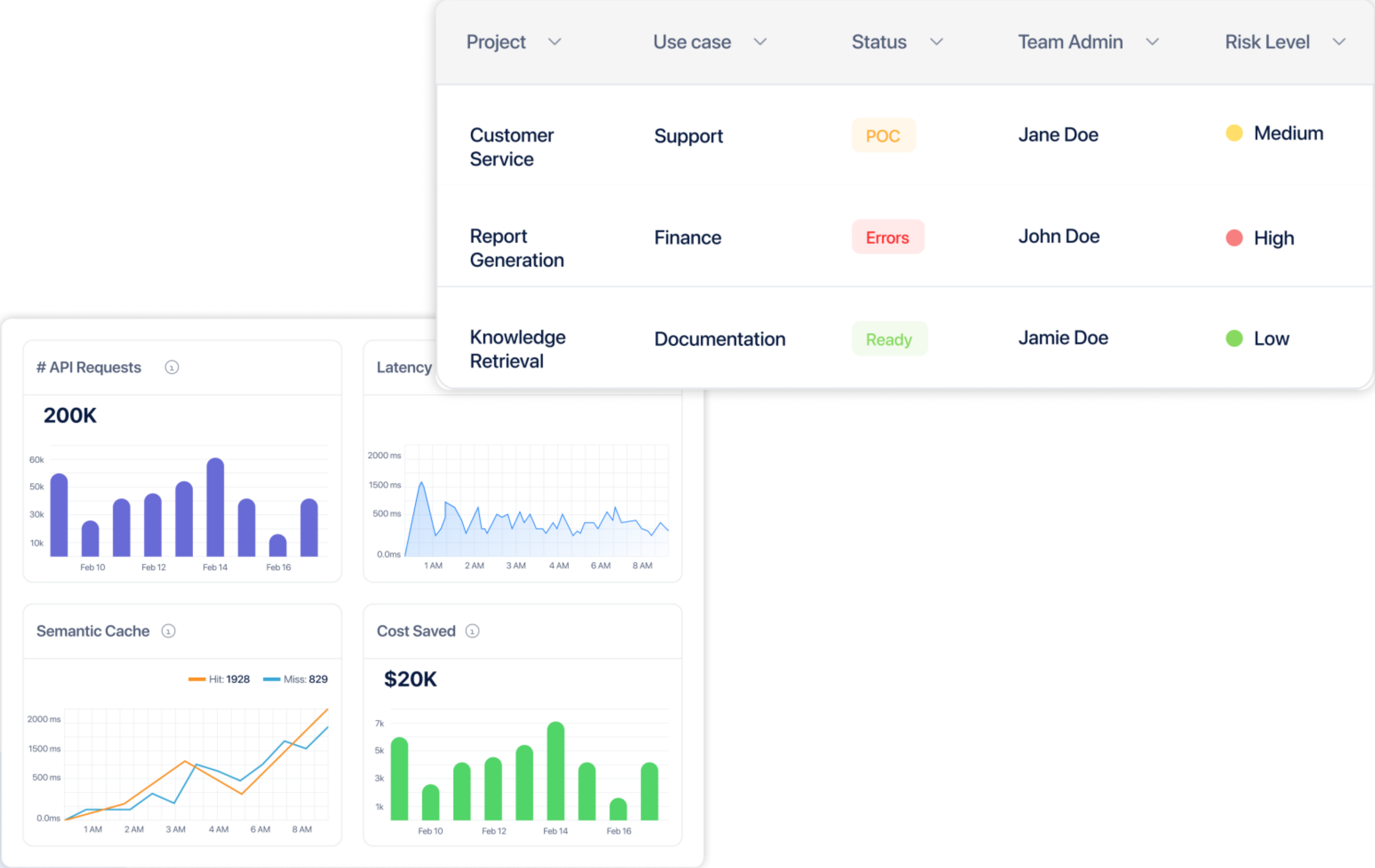
Incidents Summary

Total Threats - 2076 ● High - 1061 ● Medium - 673 ● Low - 342

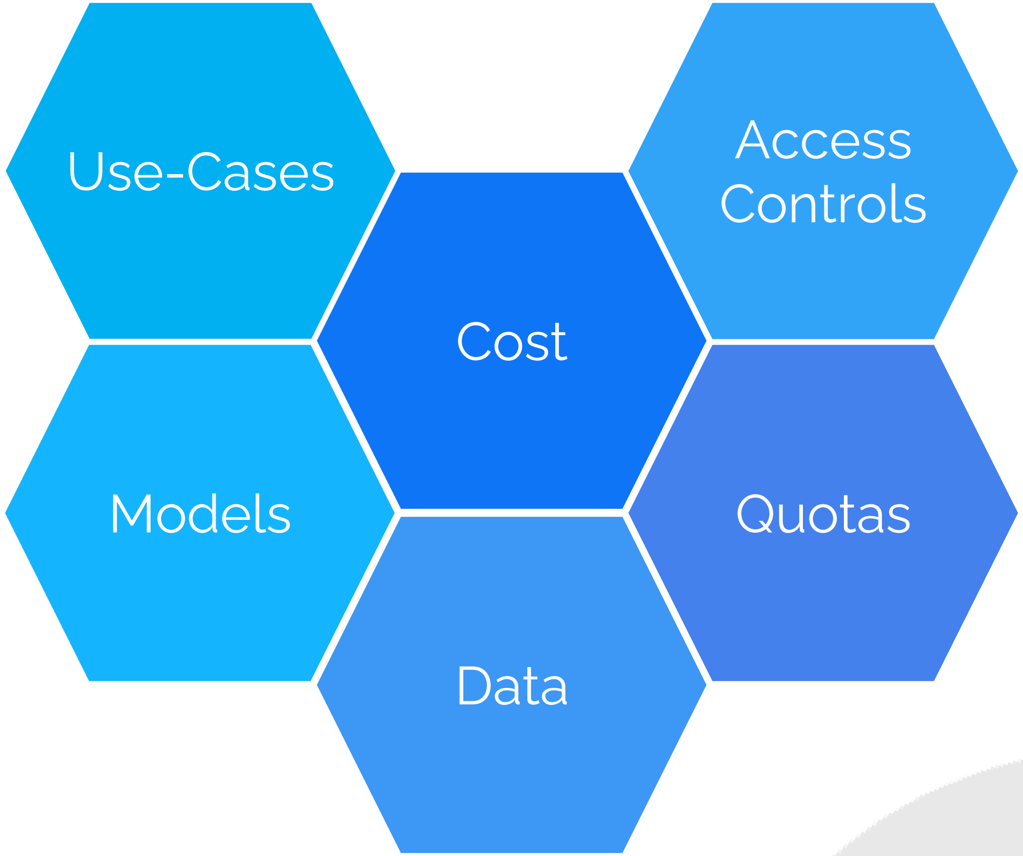
LLM	Jailbreak w/o GuardRails	Factor Improvement w/ GuardRails
Meta Llama2-7B	6%	**10X**
Mistral Mixtral-8x7B	52%	**8X**
OpenAI GPT4-Turbo	5%	**5X**
Microsoft Phi-2	97%	**5X**

Robustness, Security and Privacy Protections

LLM Visibility

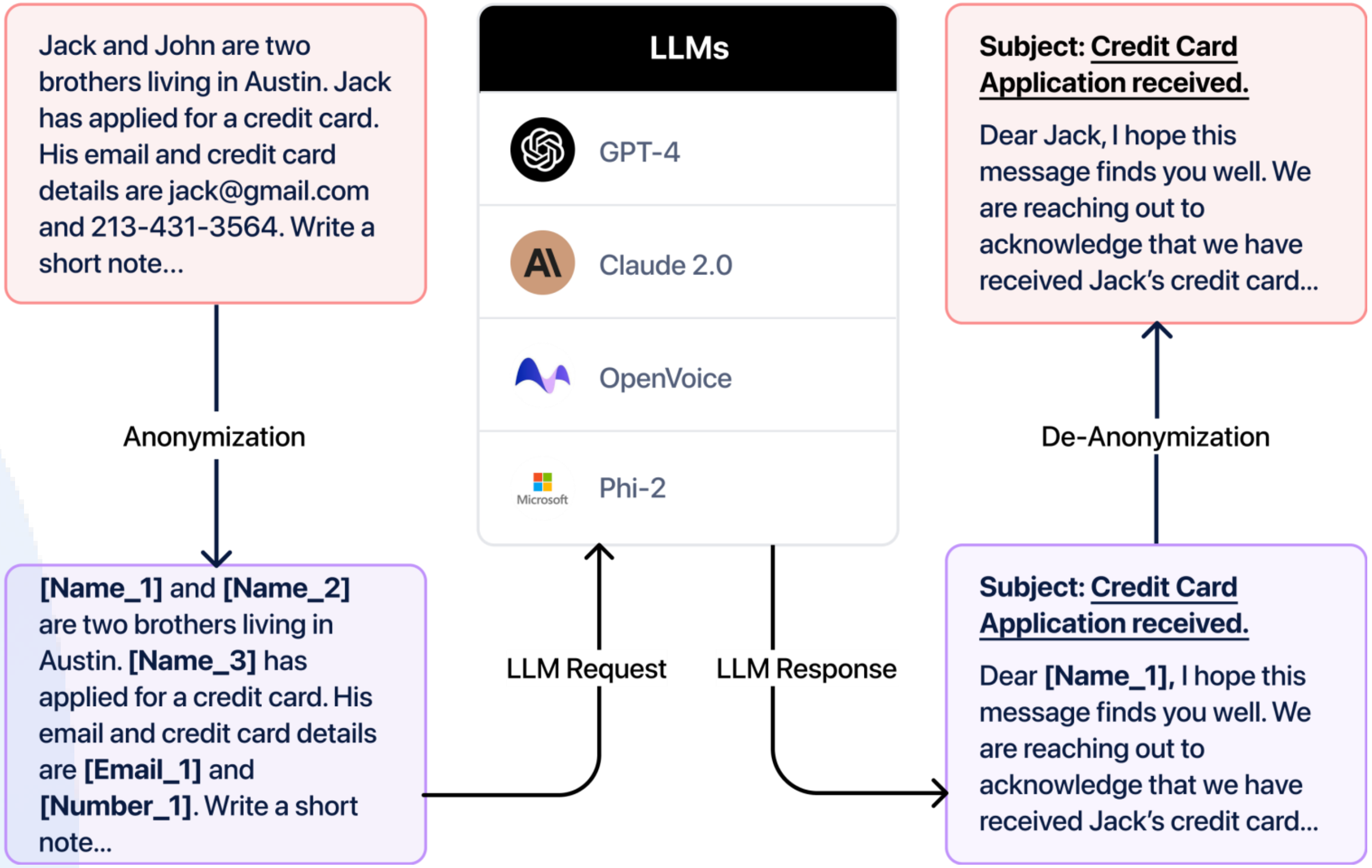


Project	Use case	Status	Team Admin	Risk Level
Customer Service	Support	POC	Jane Doe	● Medium
Report Generation	Finance	Errors	John Doe	● High
Knowledge Retrieval	Documentation	Ready	Jamie Doe	● Low



Operational Transparency and Monitoring

LLM – PII Protection



Jack and John are two brothers living in Austin. Jack has applied for a credit card. His email and credit card details are jack@gmail.com and 213-431-3564. Write a short note...

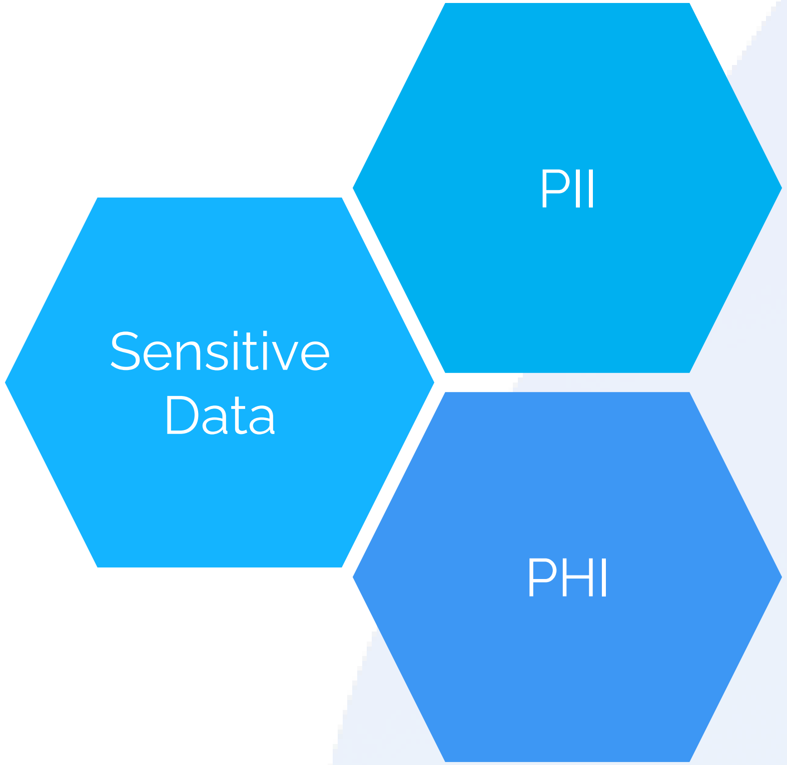
[Name_1] and **[Name_2]** are two brothers living in Austin. **[Name_3]** has applied for a credit card. His email and credit card details are **[Email_1]** and **[Number_1]**. Write a short note...

Subject: Credit Card Application received.

Dear **[Name_1]**, I hope this message finds you well. We are reaching out to acknowledge that we have received Jack's credit card...

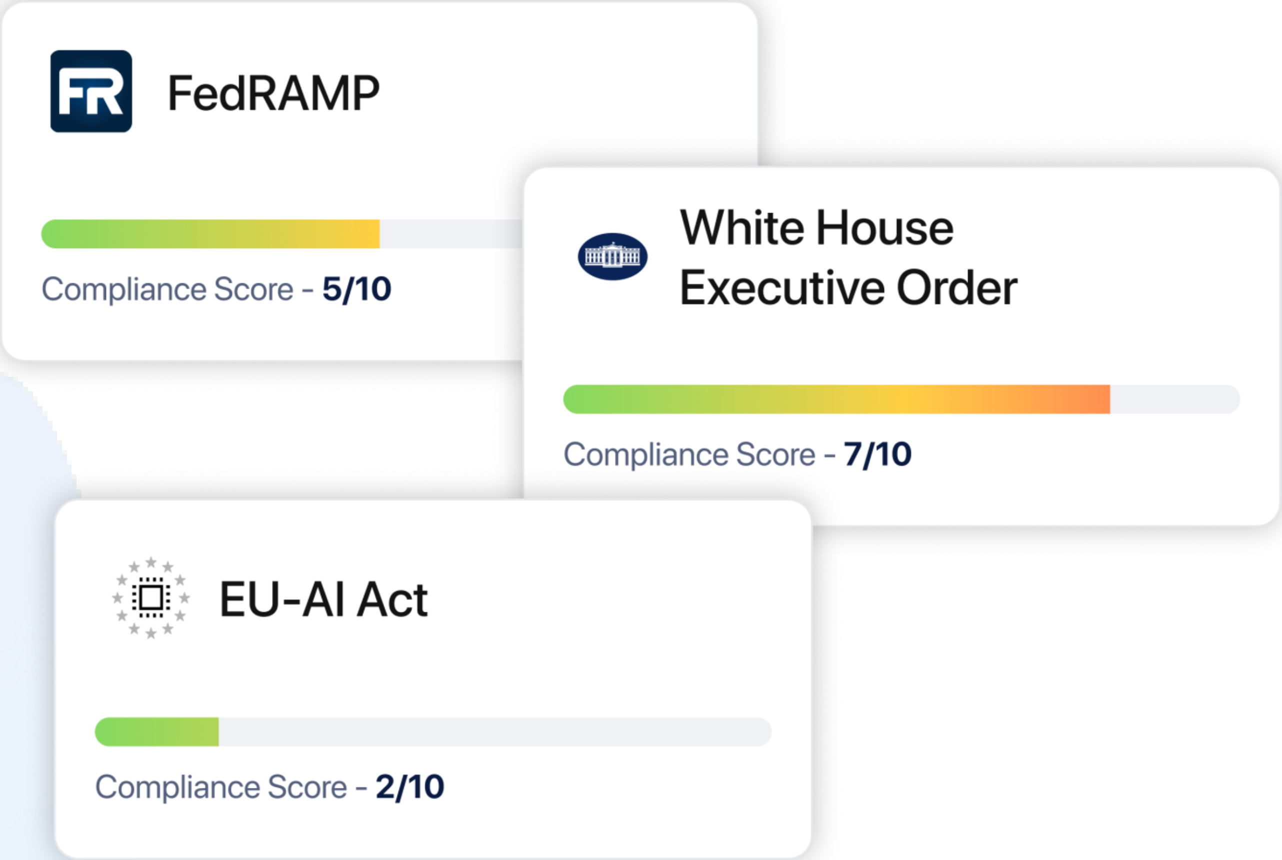
Subject: Credit Card Application received.

Dear Jack, I hope this message finds you well. We are reaching out to acknowledge that we have received Jack's credit card...



Safe and Compliant Usage of LLMs

LLM Compliance



FedRAMP

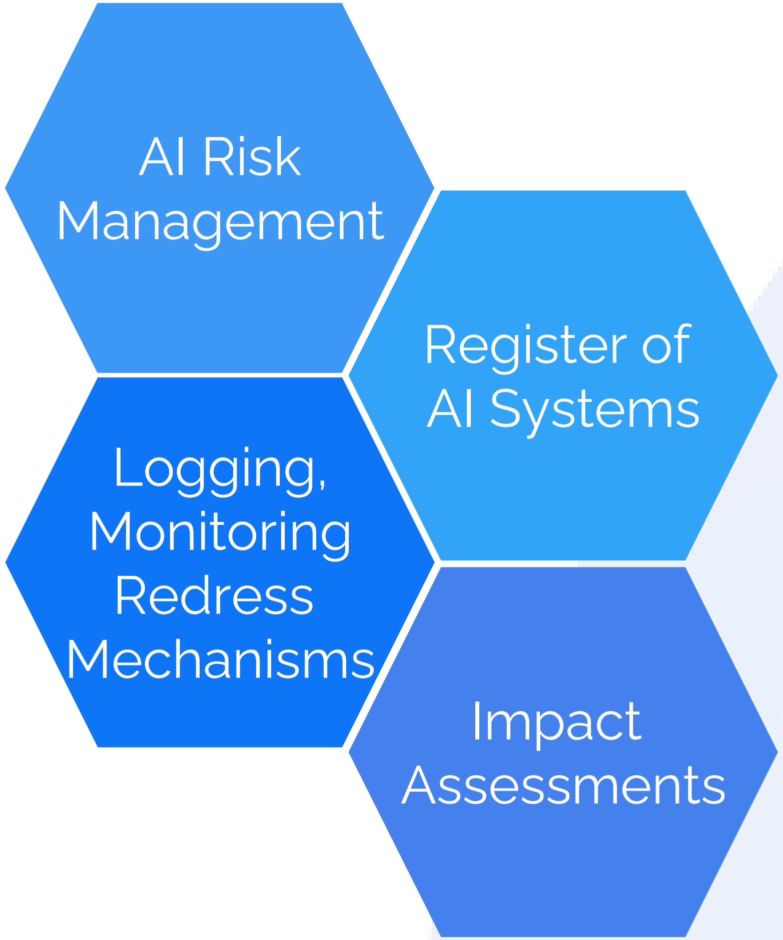
Compliance Score - **5/10**

White House Executive Order

Compliance Score - **7/10**

EU-AI Act

Compliance Score - **2/10**



Automated Policy Enforcement and Auditing for AI Governance

A Comprehensive Solution

- **Threat Detection -** Know your Vulnerabilities
- **Threat Mitigation -** Mitigate these Vulnerabilities
- **Visibility -** Monitor Cost, Govern Usage of AI, and Implement Controls
- **Data Protection -** With Data Visibility, protect any sensitive information from leaking
- **Compliance -** Map Regulatory Controls, and ensure compliant usage of AI

Contact

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Need a Structured & Actionable Generative AI Governance Framework

Enabling 10x Faster & Safer Adoption of Generative AI within Enterprises

Booth 14
Come Talk to Us to Learn More

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