

LLM AI Security Framework

"Secure prompt? Seriously, are you sure?"

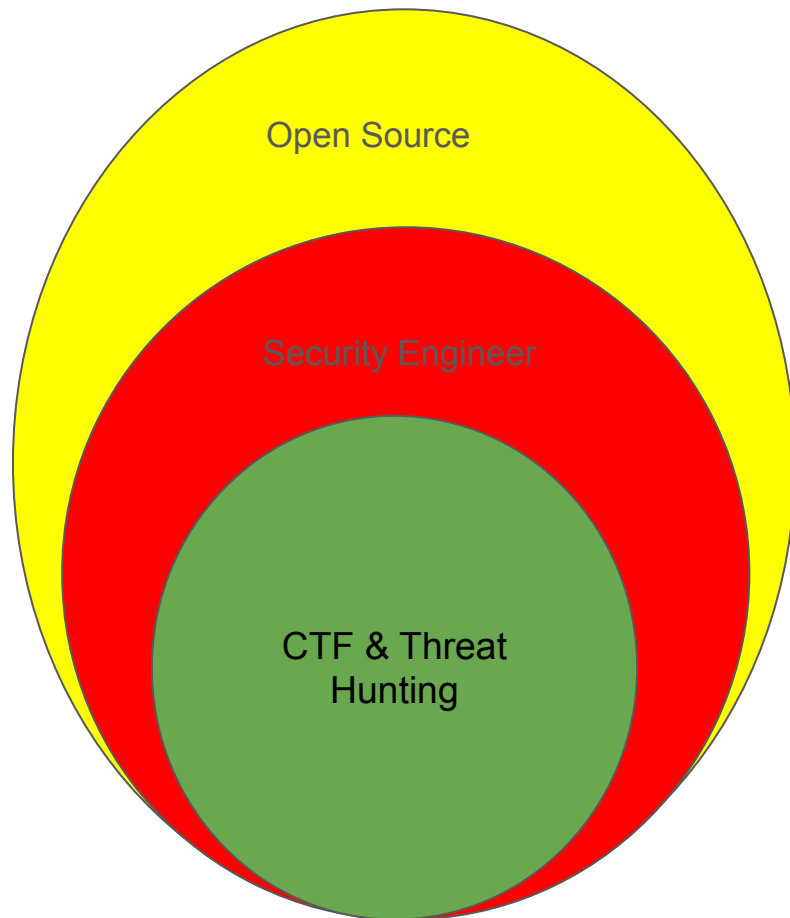


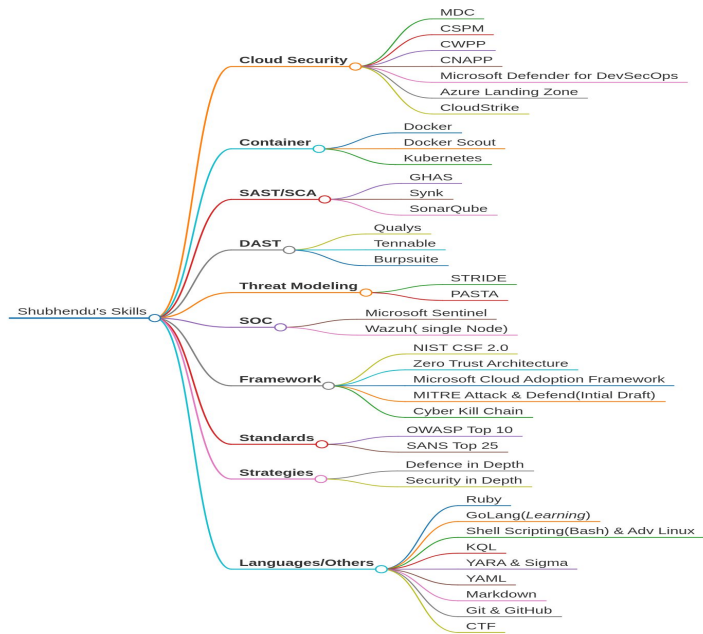
\$whoami

Shubhendu
Shubham

“sudo rm -rf / problems”

aka “Troubleshooter”





CTF BADGES



CERTIFICATIONS



AZ 700

AZ 500



Community



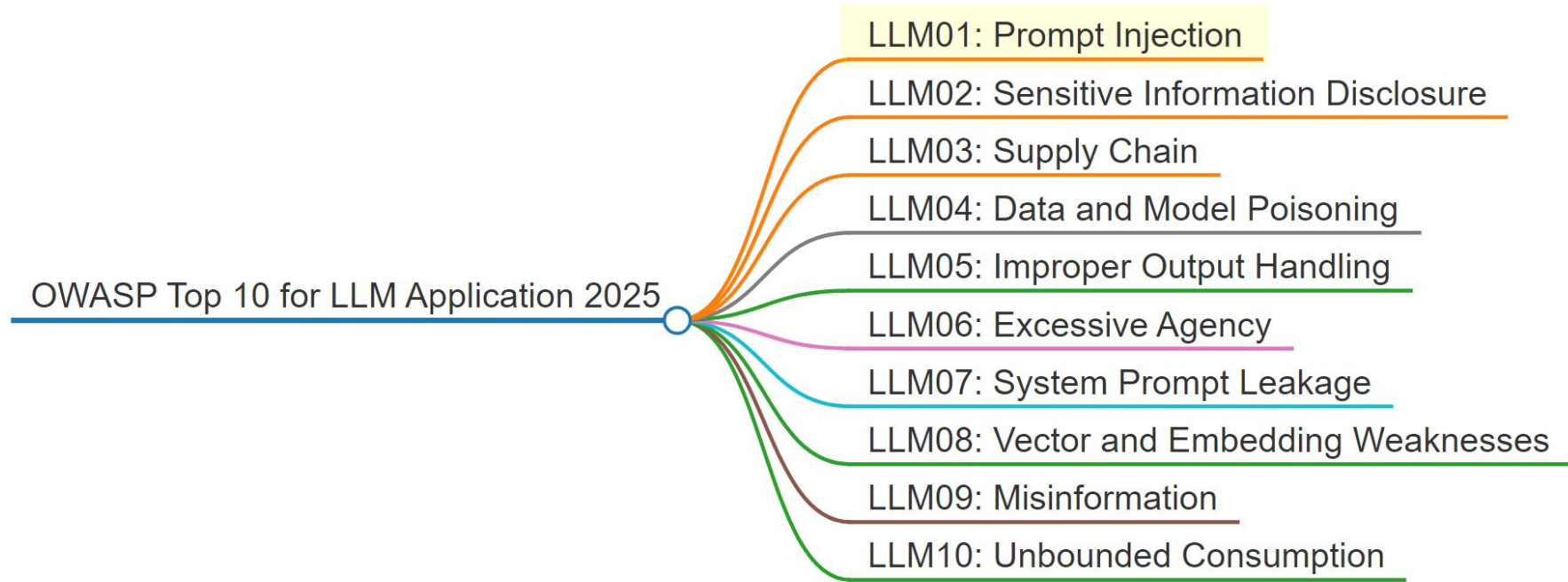
Disclaimer

“You can’t protect

what you don’t know you have.”

— not sure

OWASP Top 10 for LLM Applications 2025



LLM01: Prompt Injection

Prompt Injection vulnerabilities exist in how models process prompts, and how input may force the model to incorrectly pass prompt data to other parts of the model, potentially causing them to **violate** guidelines, generate **harmful content, enable unauthorized access, or influence critical decisions**. While techniques like **Retrieval Augmented Generation (RAG)** and fine-tuning aim to make LLM outputs more relevant and accurate, research shows that **they do not fully mitigate** prompt injection vulnerabilities.

Attack Scenarios

LLM01

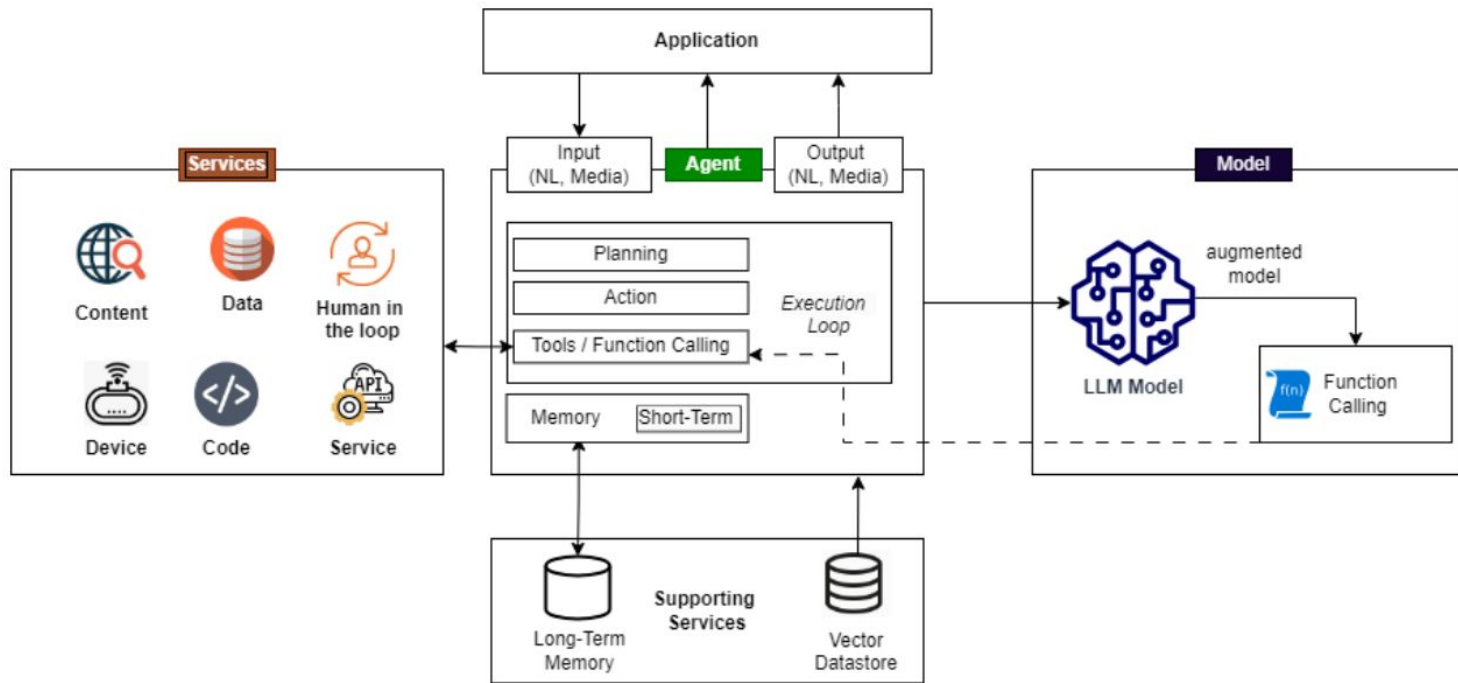


LLM03: Supply Chain

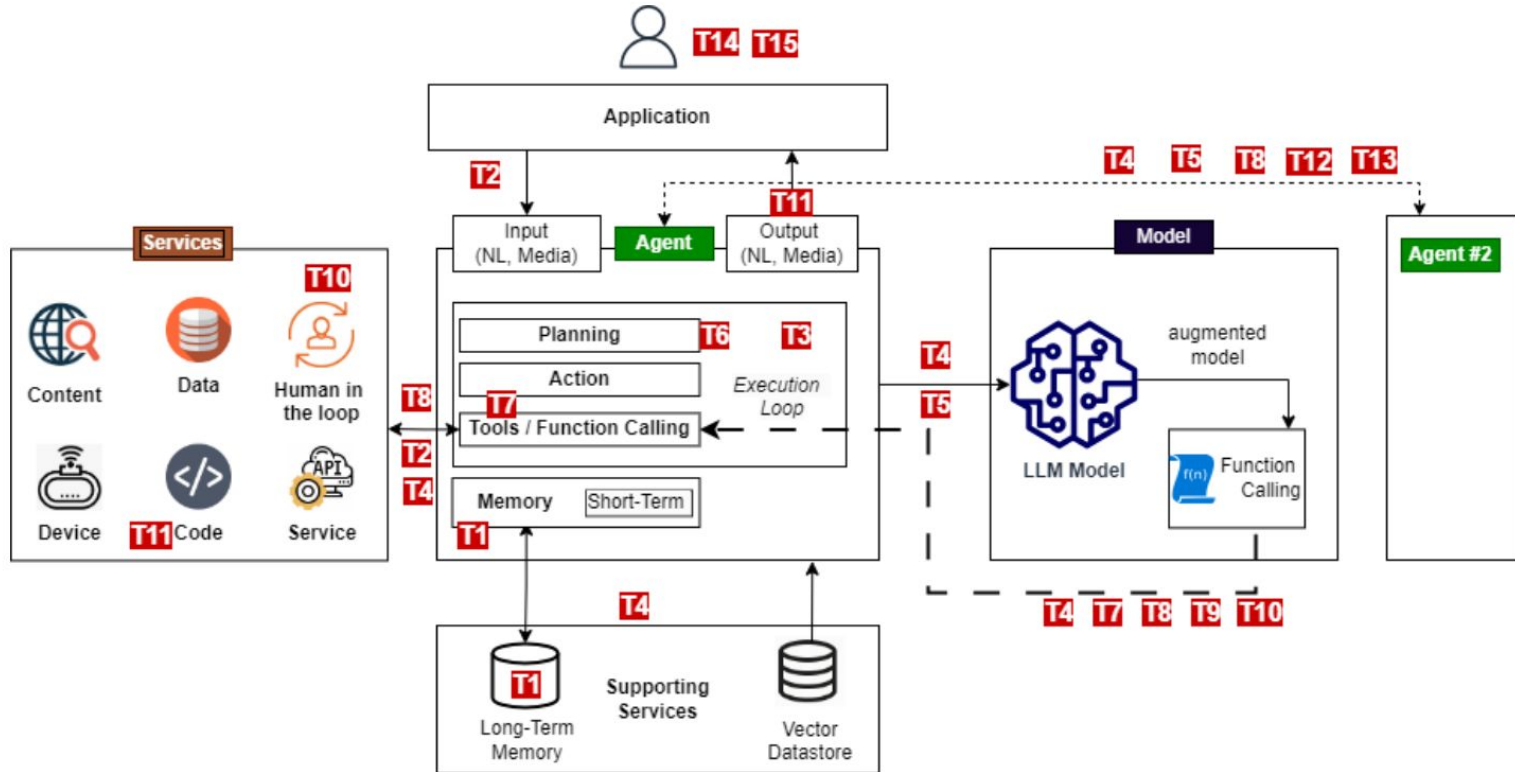


Agentic AI – Threats

Single Agent Architecture



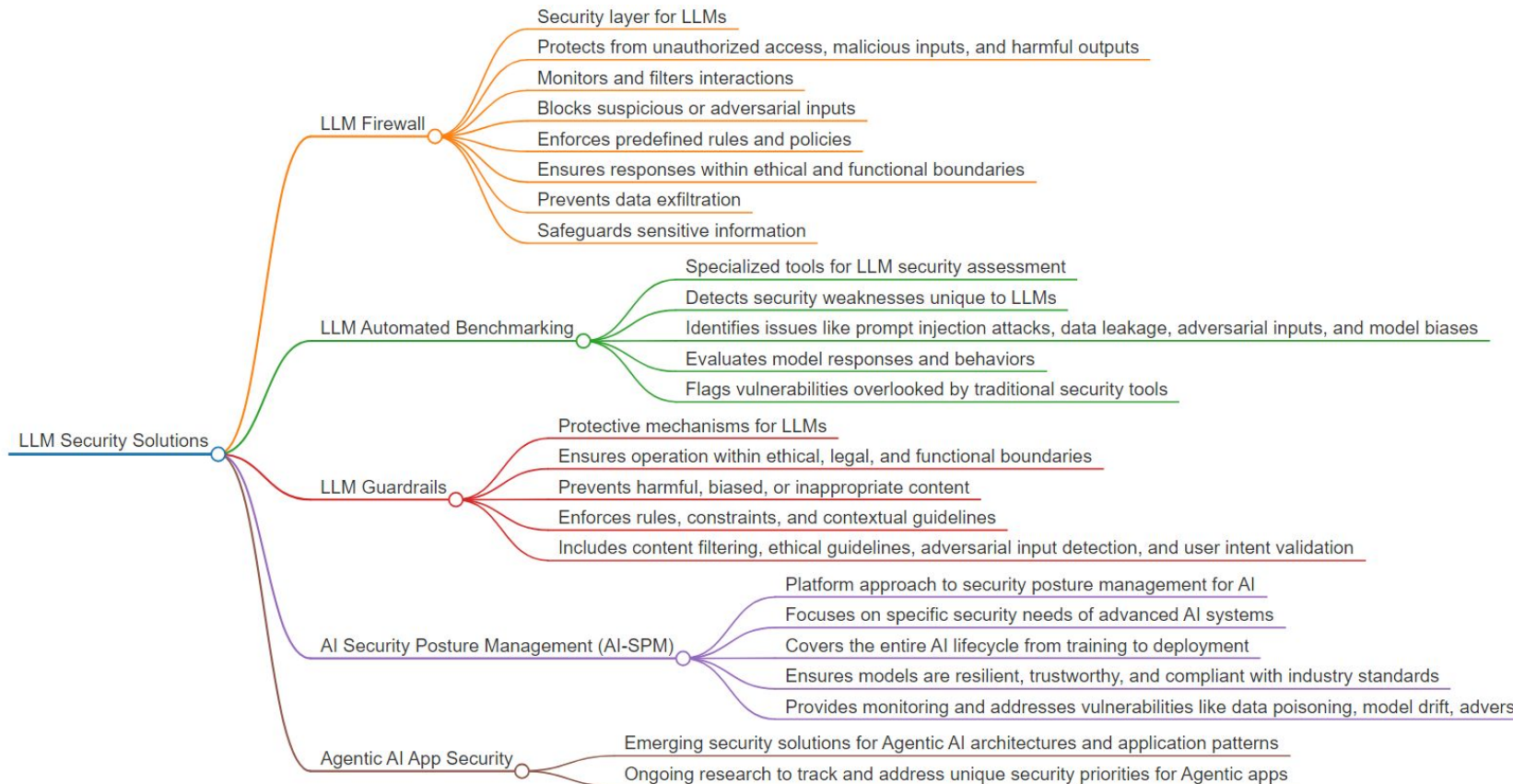
Threat Modeling



@newt_s

RREY KEHNA KYA CHAHTE HO

Solutions

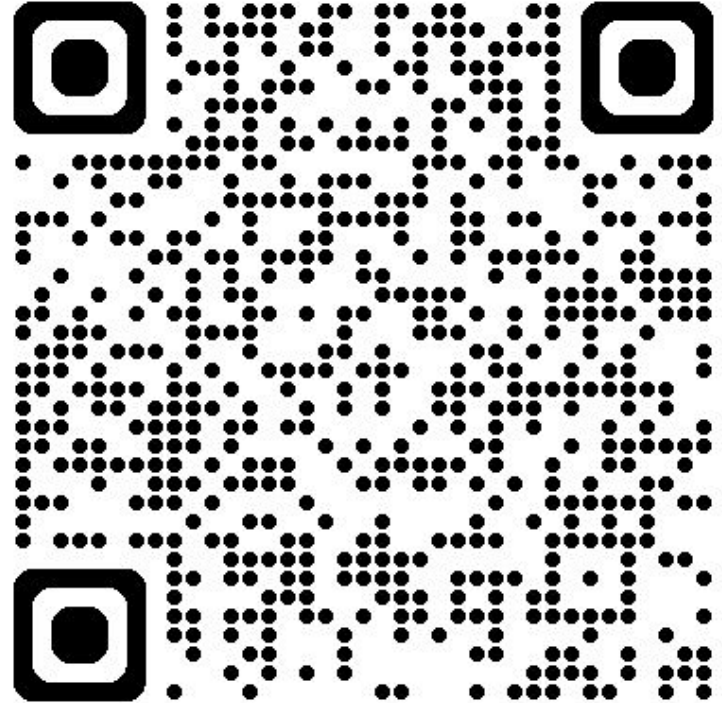


References

1. [AI Security Solution Cheat Sheet Q1-2025 - OWASP Top 10 for LLM & Generative AI Security](#)
2. [Agentic AI - Threats and Mitigations - OWASP Top 10 for LLM & Generative AI Security](#)
3. [OWASP Top 10: LLM & Generative AI Security Risks](#)
4. [LLM Applications Cybersecurity and Governance Checklist v1.1 - English - OWASP Top 10 for LLM & Generative AI Security](#)
5. [Solutions Landscape - OWASP Top 10 for LLM & Generative AI Security](#)
6. [LLMRisks Archive - OWASP Top 10 for LLM & Generative AI Security](#)

What's Next ?

This is not
Phishing QR ,It's
my LinkedIn **Don't**
Trust Always
verify



Thank you!

