OhReally



Using LLMs to Accelerate Threat Detection

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GPT-4o was harmed for these images but no Als were harmed in the production of this content

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Key takeaways

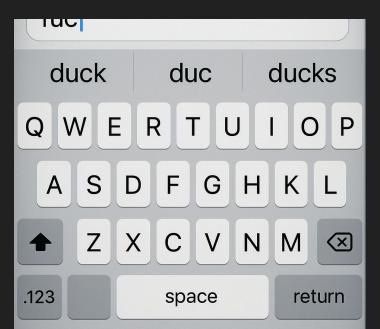
- How Large Language Models (LLMs) function
- How Retrieval Augmented Generation (RAG) works
- Using your existing resources for something new

Scenario

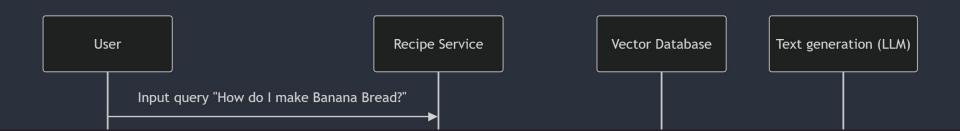


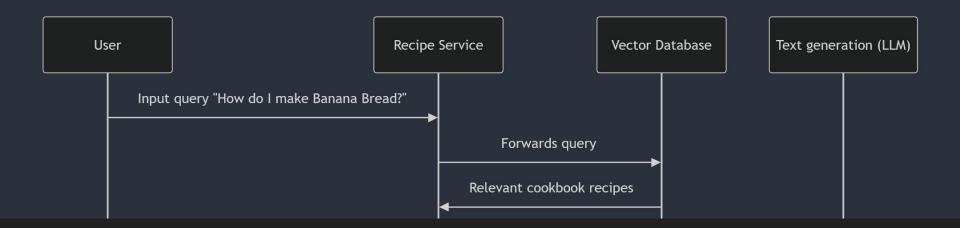
How Large Language Models (LLMs) function

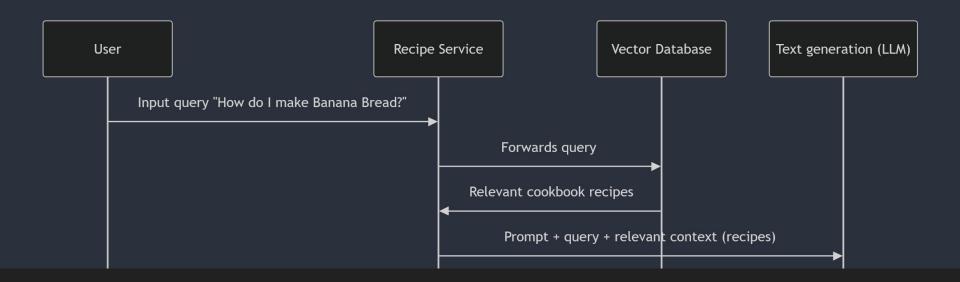
They're the evolution of "next word prediction" on your phone keyboard

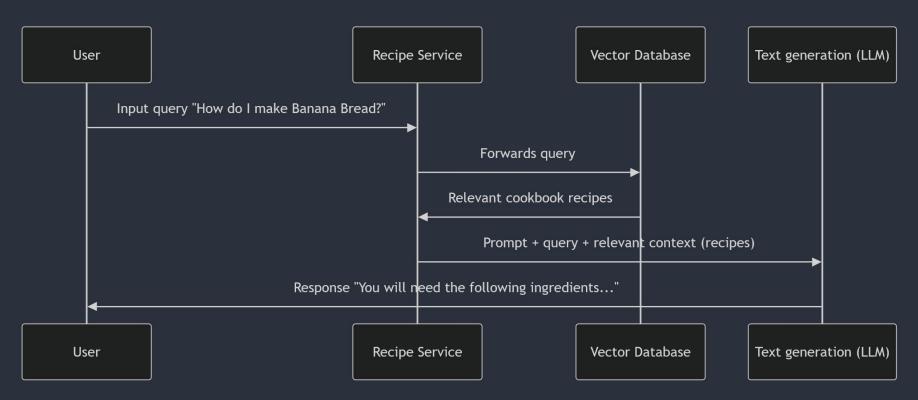












So, what?



Live demo?

Use your existing runbooks to create updated detections

- Use your existing runbooks to create updated detections
- Use these techniques to accelerate your investigations

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- Use these techniques to accelerate your investigations
- Discover for yourself that these LLMs are limited

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- How Retrieval Augmented Generation (RAG) works
- Using your existing resources for something new

Useful resources

Making a custom GPT with chatgpt for cloudquery data

This assumes you followed https://help.openai.com/en/articles/8554397-creating-a-gpt and have already generated "instructions" for the GPT.

First get the cloudquery docs git clone git@github.com:cloudquery/cloudquery.git

Get the cloudquery tables files as these have the relevant schemas and put them in a temporary directory for upload

```
mkdir /tmp/docs

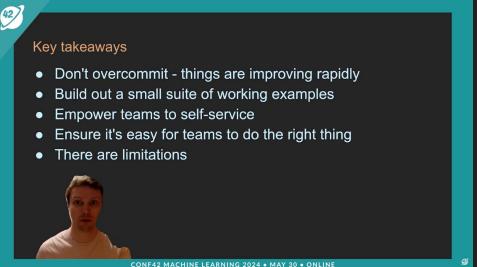
find . -type d -name "tables" | xargs -I{} cp -r {}/ /tmp/docs/

We now have the markdown we want in /tmp/docs/tables

Unfortunately you can only upload 20 files, so we need to cat all these together

cat * > ../schemas.md
```

https://tales.fromprod.com/2024/067/custom-chatgpt-cloudquery.html



Example architectures for these tools https://www.youtube.com/watch?v=K eAO1lgzoBQ

Al Native Tools (open source data) https://landscape.ainativedev.io/