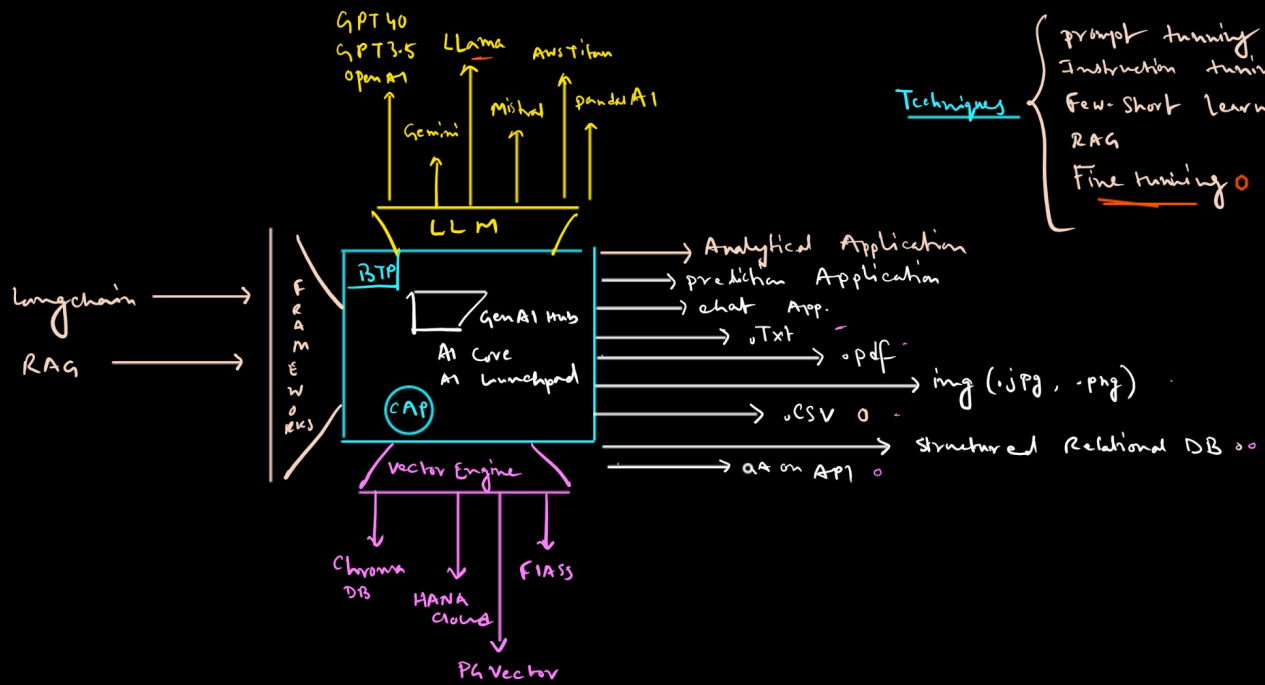
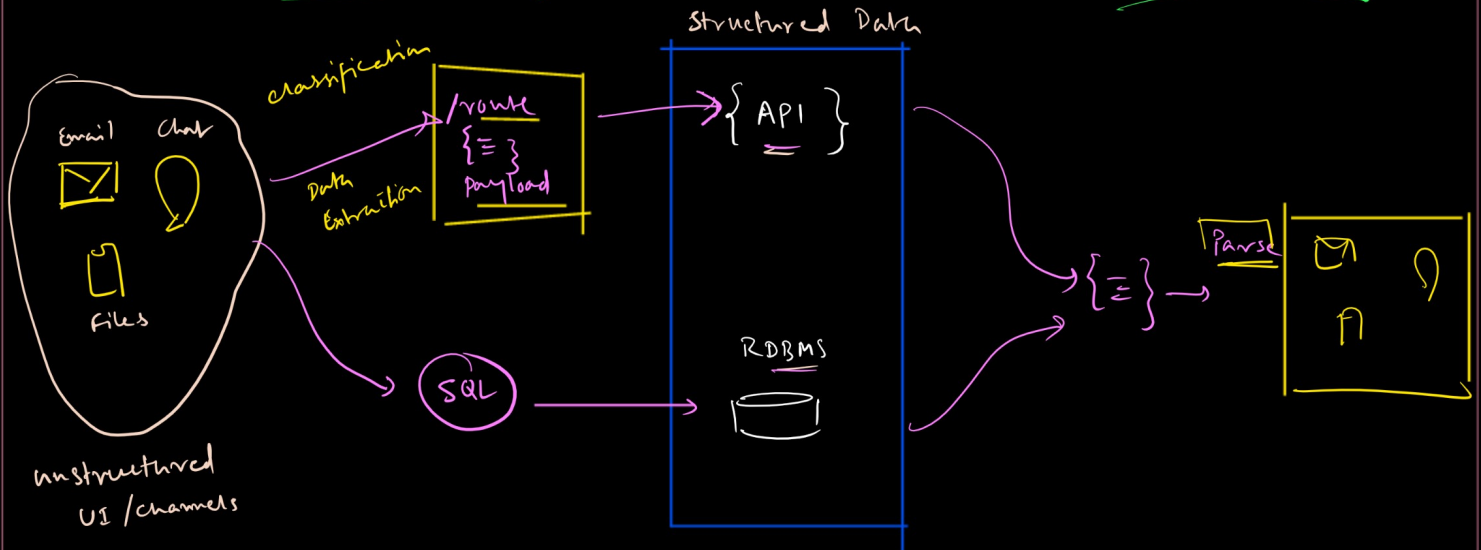


# Week 08 - Day 01



## Understanding

## Generation



AWS lex, uis, chat (memory, recall)

Dev: Framework

Processing

NLP

workflows

Natural Language Understanding

Natural Language Generation

LLM (NLU)

NLG LLM

Intent → understand user ask / query  
→ classify user request / query / expression

Entity Detection → Identify the required key info.

key → location  
→ product  
→ price  
→ language  
→ brand / company

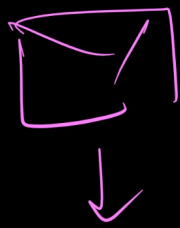
I want to buy a Apple Laptop,  
my budget is 1500 USD.

I live in NYC.

Please suggest me some good retail store / sellers.

Intent / classify  
→ Buy laptop

Entity  
→ apple (brand)  
→ 1500 (budget)  
→ NYC (location)



Input  
Entity } → API



Output  
Entity } → API

User  
Ask

→ classify →

↓  
[Identity  
API]

Data points

{ ≡ } payload

} API

User  
Ans

→ GenAI

formatting

Human Readable

# Project

↳ ① → OpenAI (GPT 4o)

↳ ② → SAP GenAI (Azure  
OpenAI  
GPT 3.5)

PoC

↳ AWS Lex

↳ ms Bot framework (wis)