# Building a Multi-LLM Copilot

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# Why Multi-LLM Copilots?

**Challenges with Single LLMs:**

- Limitations in handling diverse tasks.

- Performance issues in specific contexts.

- Inability to leverage specialized strengths.

**Advantages of Multi-LLM Copilots:**

- Task Specialization: Each LLM excels in specific roles.

- Enhanced Contextual Understanding: Better handling of varied and complex queries.

- Scalability and Flexibility: Adaptable to evolving requirements and user needs.
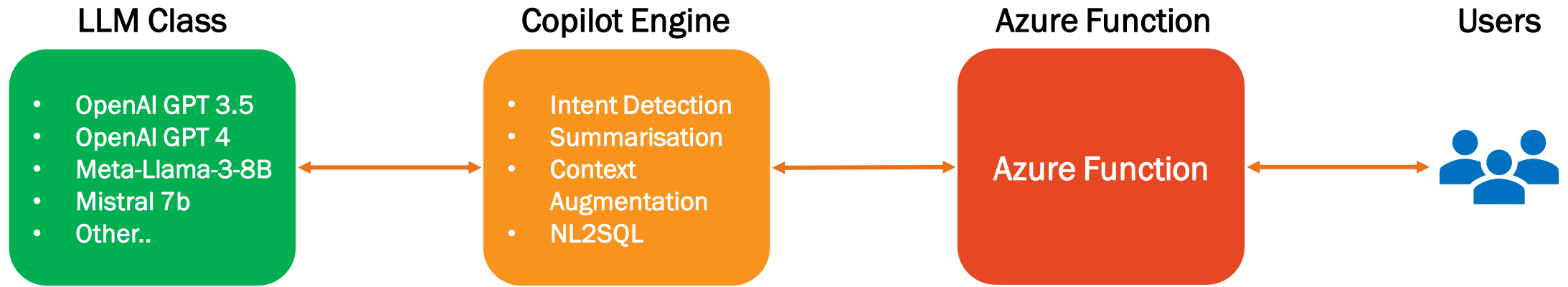
# Multi-LLM Copilot in Action

Build a copilot that efficiently handles tasks such as code generation, content retrieval, and user interaction.

Components:

◦ LLM Class

◦ Copilot Engine

◦ Azure Function

**LLM Class**

- OpenAI GPT 3.5
- OpenAI GPT 4
- Meta-Llama-3-8B
- Mistral 7b
- Other..

**Copilot Engine**

- Intent Detection
- Summarisation
- Context Augmentation
- NL2SQL

**Azure Function**

Azure Function

**Users**

# Q&A