**Exploring about Langchain:**

**Langchain** is an open source developer framework for LLM applications.

It can work on Python and JavaScript (Typescript) packages

LLM is focused on composition and modularity.

Let us discuss something about different components in Langchain.

It consists of mainly **5 components**

They are **Models, Prompts, Indexes, Chains and Agents**.

Let us briefly discuss about those components.

**Components:**

**1. Models: It refers to the language models**

* It includes Large Language Models (20+integrations)
* Chat Models
* Text Embedding models(10+integrations)

**2. Prompts: refers to the style of input which passes to the models**

* Prompt Templates
* Output parsers - Retry / Fixing logic (5+ implementations)
* (**Parsers** is an the opposite end. It involves in taking the output of these models and parsing it into a more structured format, so that we can do the things downstream withit.)
* Example Selectors (5+implementations)

**3. Indexes: Can combine with models**

* Document loaders(50+implementations)
* Text splitters(10+implementations)
* Vector stores (10+integrations)
* Retrievers(5+integrations/implementations)

**4. Chains**

* Prompt + LLM and output parsing
* Can be used as building blocks for longer chains
* More application specific chains

**5. Agents**

* Agent Types: Algorithms for getting LLMs to use tools (5+ types)
* Agent Toolkit: Agents armed with specific tools for specific applications (10+implementations)

Hope this is helpful.

**Thank you.**