**Summary of All The Topic in API PATH**

The **Client-Server Model** is a way for computers to share information. In this setup, there are two main parts:

1. **Client**: This is the computer or program that requests information or services. For example, when you use a web browser to visit a website, your computer is the client.
2. **Server**: This is the computer or program that provides the information or services. For example, the website you visit is hosted on a server.

**Application Programming Interface**

**API** is a set of rules that allows one computer program to talk to another.

Think of it like a menu in a restaurant. The menu gives you a list of dishes you can order. When you choose something from the menu, the kitchen (which is like the program) prepares your food (which is like the information or service) and serves it to you.

In the same way, an API provides a list of functions or features that a program can use, and it handles the details of how to get the information or perform the task. This makes it easier for different programs to work together.

**HTTP Protocol**

 **HTTP**: It stands for Hypertext Transfer Protocol. It’s used to request and send web pages and other content between your browser and a server.

 **How It Works**: When you type a website address into your browser, it sends an HTTP request to the server. The server then sends back the requested web page or content using HTTP.

 **Requests and Responses**: An HTTP request is made when you want to access a web page. The server responds with the page or information you requested.

**Backend Server** is the part of a computer system or application that handles all the behind-the-scenes work.

* The **backend server** processes **requests**, **manages data,** and **performs operations** that users don't see. For example, when you log into a website, the backend server checks your username and password and retrieves your account information.
* **How It Works**: When you use an app or visit a website, your actions (like clicking a button or entering information) are sent to the backend server. The server then performs the necessary tasks and sends back the results or data that you see.

**What is Flask?**

Flask is a lightweight framework for building web applications in Python. It helps you create a server that can handle requests and send responses.