**MERN-STACK**

1. **MongoDB:**- MongoDB is a NoSQL database that store data in flexible, JSON- like format called BSON (Binary JSON).

**key Features:**

* **Document-based** (stores data in key-value pairs like JSON)
* **Schema-less** (no fixed structure is required)
* **High performance** (fast read/write operations)
* **Scalable** (handles large amounts of data with ease)
* **Flexible** (easy to modify documents)

1. **Express.JS:-**  Express.js is a minimal and flexible Node.js web application framework that helps you build web and mobile application quickly and easily.

**Key Points:**

* **Built on Node.js:** It runs on top of Node.js, using JavaScript**.**
* **Handles HTTP Requests & Responses:** Makes it easy to create APIs and handle routes (URLs).
* **Middleware Support:** Lets you use functions to process requests (e.g., for authentication, logging, etc.).
* **Simplifies Server Creation**: You don’t need to write a lot of boilerplate code to create a server.

1. **React.Js:** React is JavaScript library developed by Facebook for building user interface, especiall for single-page application where data changes frequently.

**Key Features:**

* **Component-Based**: UI is built using reusable components.
* **Declarative**: You describe *what* the UI should look like, and React handles the rendering.
* **Virtual DOM**: Improves performance by updating only parts of the web page that change.
* **Unidirectional Data Flow**: Data flows in one direction, making the app predictable and easier to debug.
* **JSX Syntax**: Lets you write HTML inside JavaScript (optional but commonly used).

1. **Node.JS:** Node.js is an open-source, cross-platform, JavaScript runtime environment that allows you to run JavaScript code outside of a web browser, typically on a server.