



# Internet & Web





- The World Wide Web, also known as the web, is a system of interconnected documents and resources accessed through the internet.
- We use web browsers such as Google Chrome, Mozilla Firefox, Microsoft Edge etc to access websites by typing in a Uniform Resource Locator (URL) or clicking on a link.
- Websites are collections of related web pages hosted on a server and written in HTML.
- Websites often use other technologies like CSS, JavaScript, and server-side scripting languages.
- The web has many uses including communication, e-commerce, education, entertainment etc.



M



E



R



N





- MERN stack is a collection of technologies that enables faster application development. It is used by developers worldwide.
- The main purpose of using MERN stack is to develop apps using JavaScript only.
- This is because the four technologies that make up the technology stack are all JS-based. Thus, if one knows JavaScript, the backend, frontend, and database can be operated easily.



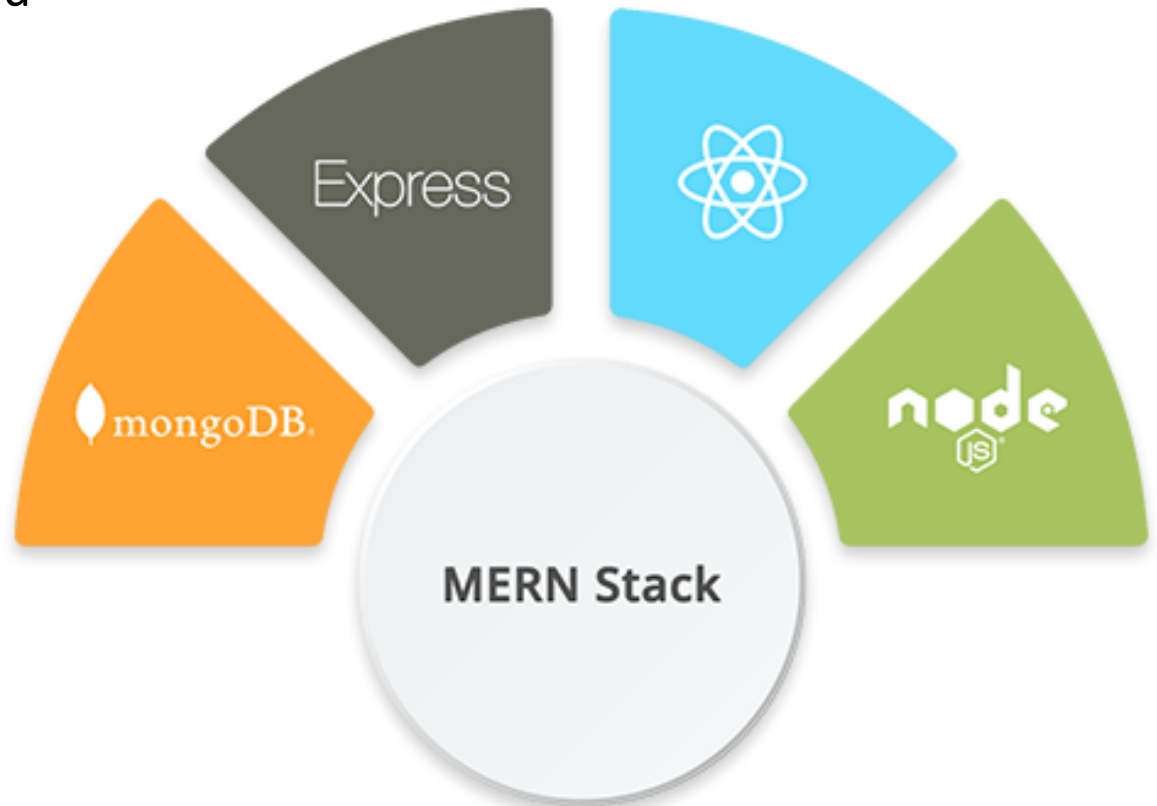
MERN Stack is a compilation of four different technologies that work together to develop dynamic web apps and websites.

**M** - MongoDB

**E** - ExpressJS

**R** - ReactJS

**N** - NodeJS





**MongoDB** : MongoDB is a NoSQL DBMS where data is stored in the form of documents.

**ExpressJS** : ExpressJS is a NodeJS framework that simplifies writing the backend code.

**ReactJS** : ReactJS is a JavaScript library for developing UIs based on UI components.

**NodeJS** : NodeJS is an open-source JavaScript runtime environment that allows users to run code on the server.



# Why **MERN** stack?





- All-in-one technology: The MERN stack includes four main technologies: MongoDB, Express, React, and Node.js. It allows developers to use JavaScript for both front-end and back-end development.
- Easy to learn: If you already know JavaScript, it's easy to learn MERN stack.
- Single Page Applications (SPAs): The MERN stack is well-suited for building single page applications (SPAs) because React allows for fast and responsive user interfaces, while Node.js enables fast back-end development.