

MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS)

React JS

- **Emerging JavaScript**
 - Declaring Variable in ES6
 - Arrow function
 - Transpiling ES6
 - ES6 Objects and Arrays
 - Promises
 - Classes
- **Pure React**
 - Installation Node JS
 - Page Setup
 - The Virtual DOM
 - React Elements
 - React DOM
 - Children
 - Constructing Elements with Data
 - React Components
 - DOM rendering
- **Props, State and the Component Tree**
 - Property Validation
 - Refs
 - React State Management
 - State within component Tree
- **React Router**
 - Incorporating the Router
 - Nesting Routes
 - Route Parameters

Node JS

- **Introduction**
 - Overview of NodeJS
 - Installing NodeJS on windows

- **Streaming Data Across Node And clients**
 - Creating and HTTP Server
 - The Request objects
 - Working with Headers
 - Handling Post Data
- **Access the File System**
 - Directories & iterating overs files and folders
 - Reading from File
 - Writing to a File

Express JS

- **Introduction**
 - Installing Express and Making it Easier to Build Web Server
- **Express Basics**
 - Express Request
 - Express Response
 - Express Get
 - Express Post
- **Express Routing**
- **Express Middleware**
- **Express Template Engine**

MongoDB

- **Introduction to MongoDB**
- **Mapping Relational database to MongoDB**
- **MongoDB installation and configuration in Windows**
- **MongoDB Create database**
- **MongoDB Drop Database**
- **MongoDB Create collection**
- **MongoDB Drop collection**
- **MongoDB Insert Document**
- **MongoDB Query Document**
- **MongoDB Update Document**
- **Delete document in MongoDB**

A Complete Project with MERN