

MERN STACK DEVELOPEMENT

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Course Outline

MERN

- Introduction to course and Learning system
- JavaScript
 - Data Types
 - Variables and Constant
 - Operators
 - Conditionals, loop
 - Functions and Closure
 - Array and Objects
- Node JS and Express JS
 - Introduction, setup
 - Express JS
 - Introduction and Setup
 - RESTful APIs

- Creating a server
- Creating sample APIs
- Mongo DB
 - Introduction (NoSQL)
 - CRUD operation
 - Creating a Mongo DB powered NodeJS application using Express JS Framework
- React JS
 - Introducing JSX
 - Rendering Elements
 - Components and Props
 - State and Lifecycle
 - Handling Events
 - Routing in React
 - Lists and Keys
 - React Forms
 - Higher-Order Components
 - Fragments
 - React Bootstrap, Material UI , Table , Hooks , Flux , Axios and Redux

Capstone Project and Career Support

Final Project and Presentation

- Concept presentation
- Approval by committee

- Working on the project
- Intermediate report to the committee
- Finishing the project

Preparing to enter the job market

- Resume review and mock interviews
- Understanding the job market
- How to identify the right company for you
- The final presentation of the working project

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