

COURSE STRUCTURE

MERN stack – 16 weeks

Front-End Web Development

HTML 5

CSS 3

Javascript ES6

DOM Manipulation

jQuery

Git, GitHub and Version Control

Backend Web Development

Node.js

NPM

Express.js

EJS

REST

APIs

Databases

SQL

MongoDB

MongoDB Atlas

Mongoose

Authentication

React.js

React Hooks

Web Design

Deployment with GitHub Pages, Heroku

DSA (Data Structures & Algorithms) – 8 weeks

Intro to Data Structures

Conditionals & Loops

Intro to Algorithms

Basics of Strings

Arrays (1-D & 2-Dimensional)

Searching & Sorting

Recursions

Hashmaps & Sliding windows

Stack & Queues

Linked List (Linear, Circular, Doubly)

Trees & Binary Search

Dynamic Programming

There will be Quizzes, and multiple projects. Finally, there will be 3 fullstack capstone projects: these are custom problem statements and not like any clones or common projects. Total there will be around 9 projects that you will build in this course

Resume building & Profile building from mentor. Multiple mock interview preparations.