

Names:
NEXSKILLS

Course Outline Full Stack Development – 4 Months

Module 1

Basics of Using GitHub

1. Creating repository
2. Updating repository
3. Sharing repository
4. Creating branches
5. Merging branches

Module 2

HTML

1. Code Editor
2. What is HTML?
3. What are Tags?
4. Headings
5. Structure and Comments
6. Lists
7. Tables
8. Links
9. Iframes
10. Form
11. Image
12. Head

CSS

1. Basic
2. Different ways and best practices
3. Background and Border
4. Dimensions
5. Text methods
6. Floating Elements

Bootstrap 4

1. Introduction
2. Directory and files
3. CDN
4. Bootstrap Package
5. Headings
6. Images
7. Containers
8. Grid System
9. Jumbotron
10. Color template

11. Typography
12. Progress bar
13. Alerts
14. Badges
15. Cards
16. Nav

Module 3:

JavaScript/jQuery

1. Intro
2. How it works
3. Data Types
4. Variables
5. Mathematical Operators
6. Making Template using components
7. DOM

Module 4:

MERN Stack

1. Modern JavaScript
2. MongoDB
 - a. What are databases
 - b. SQL vs NoSQL DB
 - c. Reading from MongoDB
3. Express
 - a. Creating an Express server
4. React
 - a. React elements
 - b. React components
 - c. Reading from state
 - d. Data from API
 - e. Data from server side
 - f. Rendering with React DOM Server
 - g. Click events
 - h. Navigation
 - i. Refactoring
 - j. Browser back button handling
5. Node
 - a. Node modules
 - b. Loading test data
 - c. Displaying list of objects
 - d. Sass with Node
 - e. API creation and utilization
6. Working with a sample project