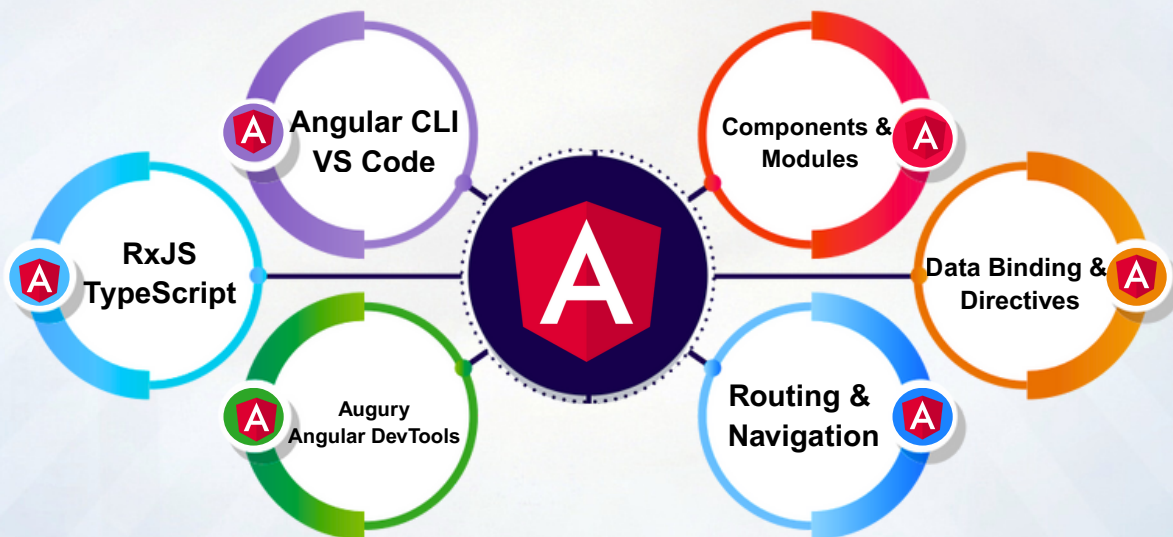




ANGULAR





ANGULAR

Introduction to Angular

- What is Angular
- Purpose of Angular
- Why Angular
- Web Application
- High Level Architecture of Web Application
- Purpose of Front end, Backend and Database

Understanding the Framework and Development Platform

- What is Framework
- Difference between Library and Framework
- Benefits of Framework
- What is Development Platform

Introduction to Javascript

- Definition ○ Purpose ○ Variables
- Data types
- Loosely typed Programming Language

Introduction to TypeScript

- What is typescript
- Installation of Typescript
- Variables
- Data types
- Type Inference
- Type Assignment
- Object type
- Tuple ○ Enum
- Any type's
- Union type
- Literal Type



Control Statements or Loops

- o If
- o Else
- o Else if
- o Switch
- o For
- o While

Operator's

- o Comparison Operators
- o Relative Operators
- o Logical
- o Spread
- Delete

Ops In Typescript

- o Classes,
- o Class properties,
- o Static Properties
- o Constructors,
- o getters & setters
- o Inheritance,
- o Abstract classes,
- o Interfaces
- o Access modifiers

Module Scope

- o Es6 Module Pattern
- o Import and export
- o Named export
- o Default export

Development Setup of Angular

- o Angular Environment Setup
- o IDE for writing your code (Editor)
- o What is Node.js
- o Installing VS Code
- o Installing Node.js and NPM
- o Installing Angular CLI
- o Creating a New Angular Project
- o Building the Application
- o Running the Application
- o Editing the First App

Components in Angular

- o What is Component
- o How to create a Component without CLI
- o How to create a Component using CLI
- o View Template of Component
- o Model of Component
- o Styling the Component
- o Creating Multiple Components
- o Understanding Relationship between Components

Data Binding

- o What is data binding
- o Types of Data binding
- o Property Binding
- o String Interpolation
- o Event Binding
- o Two Way Data Binding



● Angular Directives

- Introduction to Directives
- Types of Directives
- ngFor Directive
- ngIf Directive
- ngSwitch Directive
- ngStyle
- ngClass

● Decorator's

- @Input()
- @Output
- How to share data from Parent to Child Component
- How to share data from Child to Parent Component
- What is template reference variable
- How to create it ○ @ViewChild
- @ViewChildren
- ng-Template
- Ng-content
- ng-Container
- @contentChild
- @contentChildren

● Angular Services

- What is Service
- How to create a Service and use Service
- Injecting Service
- Dependency Injection
- Components interaction with Services



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Learn Here.. Lead Anywhere..!!

● Angular Pipes

- What are Pipes
- Built in Pipes
- Custom Pipes
- Pure and Impure Pipes

● HTTP Requests

- App & Backend Setup
- Sending Requests (Example: POST Request)
- Adjusting Request Headers
- Sending GET Requests
- Sending a PUT Request
- Delete Request
- Authentication with JWT
- Transform Responses Easily with Observable Operators (map())
- Using the Returned Data Catching Http Errors

● Observables & RXJS Operators

- Basics of Observables & Promises
- Building & Using a First Simple Observable
- Building & Using a Custom Observable from Scratch
- Understanding Observable Operators
- Map
- Filter
- Of
- From
- What is Subject
- Difference between Observable and Promise
- Difference between Subject and Observable



● Routing in Angular App

- Routing and Navigation
- The Component Router
- Component Router Terminology
- Setting up the Component Router
- A Basic App with Routing
- Router Outlet
- Router Link
- Redirecting Routes
- Wildcard Route
- Child Routes / Nested Routes
- Parameterize Route
- Route Guards
 - CanActivate
 - CanActivateChild
 - CanDeactivate
- NavigateByUrl
- Query Parameters

● **Angular Forms** ○ What is form?

- Forms in Angular
- Template Driven Forms
 - Introduction to Template Driven Forms
 - Reading Form Control Values
 - Touched, Untouched Property
 - Dirty, Pristine Property
 - Form Validation
 - How to Show Custom Validation
 - Grouping Form Controls
 - setValue, patchValue, reset



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○ Model-driven forms (Reactive forms)

- Introduction to Reactive Forms
- Form Validation
- Show Validation Messages
- Grouping Form Controls
- FormArray
- Creating Form Array
- Adding Forms Dynamically
- setValue and patchValue

● Introduction to Angular Material

- Installation of Angular Material
- Angular Material Modules
- Buttons and Icons
- Theming in Angular Material
- Menus
- Cards
- Dialogs
- Tables
- Tabs
- Input
- Select
- Checkbox and Radio Button
- Stepper

● Overview of Angular Testing (Recorded Form)

- Introduction to Angular Unit Testing
- Component Testing
- Service Testing
- Before Each Method
- Http Methods Testing

COURSES OFFERING



**JAVA
FULLSTACK**



**PYTHON
FULLSTACK**



**UI
FULL STACK**



LINUX



**CLOUD
COMPUTING**



**DEVOPS
WITH AWS**



DSA



**SYSTEM
DESIGN**



**SOFTWARE
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**CYBER
SECURITY**



**DATA
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