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Course: Mern Stack Development

Duration: 120 Hrs (Changeable) | Fees: Individual / Batch

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Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
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- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



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- * INTRODUCTION

- * What is full-stack web development?
- * What is a website / web application?
- * How does a web site / web application work?
- * History
- * VCS
- * What is a Version Control System (VCS)
- * Introduction to Git and GitHub
- * Installing Git
- * Configuring Git
- * Basic Git commands
- * Managing a git repository
- * HTML
- * HTML introduction
- * HTML page structure
- * Basic HTML tags
- * Comments
- * HTML div
- * List
- * Image
- * Link
- * Form
- * Table

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- * Iframe
- * SVG
- * Audio & Video
- * HTML5
- * CSS introduction
- * Selectors
- * Inline vs Internal vs External Styling
- * CSS Properties
- * Font styling
- * Font awesome / google font
- * Pseudo-elements and pseudo-classes
- * Tool tips
- * Transitions, Transformation, Animations
- * Box sizing
- * Flex
- * Grid
- * Media Query
- * Creating a page design
- * Mini project 1
- * Tailwind
- * Introduction to Tailwind CSS
- * What is Tailwind CSS?

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- * Difference between Tailwind and other CSS frameworks (Bootstrap, Material UI)
- * Installing Tailwind (CDN, npm, Vite, Next.js)
- * Setting up Tailwind in an HTML project
- * Basic Utility Classes
- * Layout & Positioning
- * Components & Reusability
- * Advanced Tailwind Concepts
- * Custom Configuration
- * JAVASCRIPT
- * JavaScript introduction
- * Variable, scoping and data types
- * Strings and numbers
- * Comments
- * Operators
- * Conditional statements
- * Loops
- * Break and continue
- * Function
- * Arrays
- * Stacks
- * Queue
- * Objects

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- * Maps
- * Regular expression
- * Hashing
- * Set timeout, setInterval, clear interval
- * Working with DOM
- * Developers tools in Browsers
- * Call back function
- * Call back Hell
- * Promise
- * Async and await
- * Closures
- * Local Storage , SessionStorage, cookies
- * Advanced javascript (ES6, ES7 & ES8)
- * OOP concepts
- * Mini project 3
- * DATABASE
- * Introduction to Data Base
- * Types of Data Bases
- * Introduction to MongoDB
- * Installing MongoDB
- * Connecting MongoDB
- * Creating database and create collection

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- * Data modeling
- * Creating and retrieving data
- * Updating and deleting data
- * Limit, sort and indexing
- * Data Types
- * Aggregation
- * Database replication and sharing
- * Drop database and drop collection
- * NODEJS
- * NodeJS introduction
- * Install NodeJS
- * Node Package Manager (NPM)
- * Create NodeJS app
- * Simple server using NodeJS
- * Request and Response
- * Response types - JSON,HTML,XML etc
- * Emitter
- * Buffers
- * Streams
- * File system
- * Global objects

Utility modules

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Web modules

- * Scaling a NodeJS application
- * Packaging
- * SocketIO
- * Mini Project
- * EXPRESSJS
- * ExpressJs introduction
- * Install ExpressJS
- * Creating express server
- * Routing
- * HTTP methods
- * HTTP response codes
- * Express params and Query strings
- * Middlewares
- * Static files
- * Form data
- * Express with Database
- * Cookies
- * Sessions
- * Authentication
- * JWT token
- * Multer

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- * Cloudinary
- * Creating REST API
- * Payment Integration
- * Debugging
- * Mini project
- * REACTJS
- * React introduction
- * Javascript Compilers & package bundlers
- * Installing React
- * Understanding basics of React app
- * JSX
- * React components
- * Class components vs function components
- * Understanding virtual DOM and single page apps
- * States and props
- * React lifecycle
- * Conditional rendering
- * Hooks
- * Global State Management
- * Event handling
- * Forms
- * Controlled vs Uncontrolled components

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- * Routes
- * Pure components
- * High order components
- * Redux
- * Axios
- * Oauth0
- * UI Tool Kit
- * MiniProject
- * ANGULAR
- * Introduction to angular
- * Angular CLI
- * Components

Modules

- * Templates
- * Directives
- * Services
- * Dependency Injection
- * Routing
- * Forms
- * Mini Project
- * Hosting
- * AWS

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- * Netlify
- * Vercel
- * Render
- * Domain mapping

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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