

Full-Stack Specialization

MERN



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Program Highlights



Industry-Relevant & Updated Syllabus

Learn the industry's latest tools, techniques & trends. Gain hands-on experience developing various apps.



360 Degree Knowledge Building

Develop practical skills through real-world projects and assignments



1:1 Dedicated Mentorship

Personalized learning experience from experienced industry professionals.



Multiple Career Opportunities

Advance your career in software development by targeting roles like software developer, software engineer, project manager etc

Program Syllabus



Programming Basics, Data Types and Code Flow

- Client Server Model
- Webpage request and response
- Hypertext transfer protocols
- How a website works
- How Internet works
- How Browser render content
- Chrome Dev tools
- Git & GitHub

Project work on HTML5 and CSS3

JavaScript

- JS Basics
- Data Types in JS
- Operators in JS
- Conditions in JS
- Loops in JS
- Functions in JS
- OOPs in JS
- DOM in JS
- Event Handling in JS
- Advanced concepts in JS

HTML and CSS3

- HTML Fundamentals
- HTML Elements and Tags
- Nesting and Indentation
- HTML Lists and Tables
- HTML Sections
- Semantic HTML
- CSS Fundamentals
- CSS Styling Lists and Tables
- CSS Grid and CSS Flexbox
- Positioning in CSS and CSS Animations

Bootstrap

- What is Bootstrap?
- Bootstrap Layout
- Bootstrap Components

Package Managers

Program Syllabus



ReactJS

- React JS Basics
- React Components
- React Props and Dev Tools
- React Conditional Rendering
- State and in React and React Hooks
- Event Handling in React
- Class Component vs Functional Component
- React Dependencies
- React JS Advanced
- Project work Using HTML, CSS, JS and React

Application Programming Interface

- What is API?
- What is JSON?
- Structuring API Requests
- API Authentications
- REST API

Deploying WEB Application using AWS and Azure

Final Project Work

Node.js and Express.js

- What is Node.js?
- What is Express.js
- Installing and Using Node.js
- Node.js Internals
- Native Node Module and External Node Module
- Common js, ESM, HTTP Servers
- Postman
- Middleware
- Secret Access Projects
- Node.js and Express.js Advanced

Database

- SQL
- MongoDB
- CRUD Operations
- Basic Database Commands
- SQL Relationships, Foreign Keys etc
- Project work using MERN

Authentication and Security

- Database Encryption
- Hashing Passwords
- Cookies and Sessions
- OAuth 2.0 and how to implement Signing with Google
- Completing the projects



Contact Us

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