

PYTHON FULLSTACK SYLLABUS

HTML

- Introduction to HTML
- Browsers and HTML
- Editor's Offline and Online
- Tags, Attribute and Elements
- Doctype Element
- Comments
- Headings, Paragraphs, and Formatting Text
- Lists and Links
- Images and Tables

CSS

- Introduction CSS
- Applying CSS to HTML
- Selectors, Properties and Values
- CSS Colors and Backgrounds
- CSS Box Model
- CSS Margins, Padding, and Borders
- CSS Text and Font Properties
- CSS General Topics

JavaScript

- Introduction to JavaScript
- Applying JavaScript (internal and external)
- Understanding JS Syntax
- Introduction to Document and Window Object
- Variables and Operators
- Data Types and Num Type Conversion
- Math and String Manipulation
- Objects and Arrays
- Date and Time
- Conditional Statements
- Switch Case
- Looping in JS
- Functions

ReactJS

- Introduction
- Templating using JSX
- Components, State and Props

- Lifecycle of Components
- Rendering List and Portals
- Error Handling
- Routers
- Redux and Redux Saga
- Immutable.js
- Service Side Rendering
- Unit Testing
- Webpack

NodeJS

- Node js Overview
- Node js - Basics and Setup
- Node js Console
- Node js Command Utilities
- Node js Modules
- Node js Concepts
- Node js Events
- Node js with Express js
- Node js Database Access

MongoDB

- SQL and NoSql Concepts
- Create and Manage [MongoDB](#)
- Migration of Data into MongoDB
- MongoDB with PHP
- MongoDB with NodeJS
- Services Offered by MongoDB

Python

- Python Installation & Configuration
- Developing a Python Application
- Connect MongoDB with Python