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| Web Designing & UI Development | | |
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| by Avinash Malhotra - IIT Alumni, 11+ Experience, 11+ Exp | | |

# Getting Started

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|  | **Introduction to Web Technologies**   1. What is Frontend 2. What is Backend 3. What is Full Stack. |
|  | 1. Role of Web Designer & Developer |
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|  | 1. Introduction to Web Technologies    1. HTML    2. CSS    3. JavaScript |
|  | 1. How Websites works. |

# HTML & HTML5

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| --- | --- |
|  | 1. Introduction Of HTML |
|  | 1. HTML Tags |
|  | 1. HTML Attributes |
|  | 1. HTML Text Tags |
|  | 1. HTML Headings |
|  | 1. HTML Block & Inline Elements |
|  | 1. HTML Doctypes |
|  | 1. HTML Lists, UL, OL and DL |
|  | 1. HTML Hyperlinks |
|  | 1. HTML Images (JPG, PNG, SVG, WebP). |
|  | 1. HTML Iframes |
|  | 1. HTML Entities |
|  | 1. HTML Forms |
|  | 1. HTML Meta Tags |
|  | 1. HTML Comments |

# HTML5

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| --- | --- |
|  | 1. What is HTML5 |
|  | 1. HTML5 New Tags & Elements |
|  | 1. HTML5 new Attributes |
|  | 1. HTML5 Audio & Video |
|  | 1. HTML5 Forms |
|  | 1. HTML5 SVG |

# CSS

|  |  |
| --- | --- |
|  | 1. What is CSS |
|  | 1. Types of CSS |
|  | 1. CSS Selectors & Specificity |
|  | 1. CSS Media Attribute |
|  | 1. CSS Layouts |
|  | 1. CSS Colors |
|  | 1. CSS Text Properties |
|  | 1. CSS Fonts |
|  | 1. CSS Vertical Align |
|  | 1. CSS Overflow |
|  | 1. CSS Display |
|  | 1. CSS Box Model    1. Content    2. Padding    3. Margin |
|  | 1. CSS Float |
|  | 1. CSS Background Images |
|  | 1. CSS List Styles |
|  | 1. CSS Pseudo Selectors |
|  | 1. CSS Before and After |
|  | 1. CSS Navigation Menu |
|  | 1. CSS Positions    1. Relative    2. Absolute    3. Fixed    4. Sticky    5. Static |
|  | 1. CSS Dropdown Menu |

# CSS3

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| --- | --- |
|  | 1. CSS2 Vs CSS3 |
|  | 1. CSS3 prefixes, -webkit |
|  | 1. CSS3 Selectors and Selectors level 4 |
|  | 1. CSS3 Variables & Functions |
|  | 1. Border Radius |
|  | 1. Box and Shadow |
|  | 1. Box Sizing |
|  | 1. Opacities |
|  | 1. RGBA, & HSL Colors |
|  | 1. CSS Gradients    1. Linear Gradient    2. Radial Gradient    3. Conical Gradients    4. Repeating Gradients |
|  | 1. CSS3 Backgrounds |
|  | 1. CSS Transitions |
|  | 1. CSS Transform |
|  | 1. CSS Animations |
|  | 1. @font-face rule |
|  | 1. Multi Column Layout |
|  | 1. CSS Clip Path |
|  | 1. CSS Flexbox |
|  | 1. CSS Grids |
|  | 1. Responsive Web Design |
|  | 1. CSS 12 Grids Layout |

# Photoshop

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| --- | --- | --- |
|  | 1. Photoshop Installation and customization for Web | |
|  | 1. Photoshop Tools | |
|  | 1. Photoshop Layers | |
|  | 1. Photoshop Grids | |
|  | 1. 12 Grids Layouts in Photoshop | |
|  | 1. PSD TO HTML Conversion | |
|  |  | * 1. Download PSDs from Internet |
|  |  | * 1. PSD Grids & Fonts |
|  |  | * 1. Step by Step guide to convert PSD to HTML, with 2 Projects |

# JavaScript ES6 to ES13

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| --- | --- | --- |
|  | 1. What is JavaScript | |
|  | 1. Client Vs Server Side JS | |
|  | 1. JS Syntax | |
|  | 1. JavaScript Variables | |
|  |  | * 1. Var |
|  |  | * 1. Let |
|  |  | * 1. Const |
|  |  | * 1. local Vs global variables |
|  |  | * 1. block scope |
|  |  | * 1. var vs let vs const |
|  | 1. JS Data Types    1. Primitive Datatypes    2. Reference Datatypes | |
|  | 1. JS Operators | |
|  | 1. JS Strings | |
|  | 1. JS Numbers | |
|  | 1. JS Functions    1. Declaration Vs Expressions    2. Arrow Functions    3. Return    4. Parameters and Arguments    5. Self-Invoking Functions    6. High Order Functions    7. Functions return function    8. Callback Functions, sync and async callbacks    9. Closures | |
|  | 1. JS Conditions, If else | |
|  | 1. JS Switch case | |
|  | 1. JS Try Catch | |
|  | 1. Document Object Model | |
|  | 1. JS Events and events listeners | |
|  | 1. JS Loops    1. While    2. Do while    3. For loop    4. Nested loops | |
|  | 1. JS Arrays | |
|  | 1. JS Objects | |
|  | 1. JS Timing Functions | |
|  | 1. Function Call, Bind and Apply methods | |
|  | 1. JS JSON Object | |
|  | 1. JS AJAX | |
|  | 1. JS Fetch API | |
|  | 1. JS Date Object | |
|  | 1. JS Constructors | |
|  | 1. JS Prototypes | |
|  | 1. JS Classes | |
|  | 1. JS Promises | |
|  | 1. JS Async & Await | |
|  | 1. JS Destructuring | |
|  | 1. Rest parameter | |
|  | 1. Spread Operators | |
|  | 1. Rest parameter | |
|  | 1. ES6 Modules | |
|  | 1. JS Math Object | |
|  | 1. Console Object | |
|  | 1. JS Cookies | |
|  |  | |
|  | 1. JS Windows Object | |
|  | 1. JS Screen Object | |
|  | 1. History Object | |
|  | 1. Location Object | |
|  | 1. Navigator Object | |
|  | 1. Regular Expressions | |
|  | 1. Form validations | |
|  | 1. JS Debugging | |
|  | 1. JS Best Practices | |

# JQuery

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| --- | --- |
|  | 1. What is jQuery |
|  | 1. Library vs Frameworks |
|  | 1. Download and integrate jQuery in HTML |
|  | 1. jQuery Ready Functions |
|  | 1. jQuery Selectors |
|  | 1. jQuery DOM |
|  | 1. jQuery Events |
|  | 1. jQuery CSS |
|  | 1. jQuery Animations |
|  | 1. jQuery Scroll Effects |
|  | 1. jQuery Collapsible |
|  | 1. jQuery Accordion |
|  | 1. jQuery Tabs |
|  | 1. jQuery Dropdown Menu |
|  | 1. jQuery Model Box |
|  | 1. jQuery Plugins |

# SASS

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| --- | --- |
|  | 1. CSS Preprocessors |
|  | 1. Download SASS using Node JS |
|  | 1. SASS Variables and functions |
|  | 1. Compile Sass to CSS |

# Responsive Web Design

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