

House # 80, Road # 8/A, Mirza Golam Hafiz Road, Dhanmondi, Dhaka-1209, Bangladesh.

Web Site: <http://cdip.uiu.ac.bd/> Facebook: <https://www.facebook.com/CDIP.info/>

Web Design & Development

Introduction to Adobe Photoshop:

- Creating a New Photoshop Document
- Photoshop Environment: The Toolbar - Part 1
- Photoshop Environment: The Toolbar - Part 2
- Photoshop Environment: Palettes
- Photoshop Environment: The Menu
- Photo Enhancement & Manipulation

Introduction to HTML:

- HTML Fundamentals, First Webpage, Course Files
- The Basics of HTML: Tags, Attributes, Elements
- Basic File & Folder Structure of a Website
- Your Must Have Tool: A Good Code Editor
- Hello World: Create Your Very First Web Page!

Intermediate HTML:

- HTML Tags, Code a Real Web Page
- Basic Structure of an HTML Document
- Heading & Paragraph Tags
- Using Emphasis & Strong Emphasis
- Hyperlinks
- Lists
- Images
- Tables
- Forms

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Web Design & Development

- HTML Entities & "Special Characters"
- HTML Project: Code a Basic Web Page + Tutorial

Advanced HTML & HTML5:

- Advanced HTML Techniques, HTML5
- IDs & Classes
- Span & Div Tags
- Intro to HTML5 Tags: Header, Footer, Nav, Section, Article, Aside & Time
- HTML5 Project: Build a Basic HTML5 Web Page + Tutorial

Expert HTML & HTML5:

- Expert HTML5 techniques
- New HTML5 Inputs
- Making Internet Explorer Compatible with HTML5
- HTML5 Data Attribute

Introduction to CSS:

- Essentials of CSS + Download Course Files
- What is CSS? All the basics you need to know!
- Inheritance of Styles
- Measurements & The Box Model
- Inline CSS
- Internal CSS
- External CSS

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Web Design & Development

- ID & Class Selectors
- Descendant Selectors
- Grouping Selectors
- Specificity
- CSS Project: Style an HTML Web Page + Tutorial

Intermediate CSS:

- Colors
- Text Styling & Formatting
- Borders
- Background Images
- Styling Links
- CSS Quiz

Advanced CSS:

- Styling Web Forms
- Block, Inline and Inline-Block Elements
- Understanding Float & Clear (once and for all!)
- Relative, Absolute & Fixed Position
- CSS Project: Build the Google Home Page + Tutorial (Part I)
- CSS Project: Build the Google Home Page (Part II)

Expert CSS & CSS3:

- CSS3 Box Sizing & Round Corners

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Web Design & Development

- CSS3 Colours & Gradients
- CSS3 Shadows
- CSS3 Columns
- CSS3 Animations & Transitions
- CSS3 Project #1: Create Animated Buttons + Tutorial
- CSS3 Project #2: Code an Orbiting Planet Animation + Tutorial (Part I)
- CSS3 Project #2: Code an Orbiting Planet Animation (Part II)

Advanced HTML & CSS Challenge:

- Your Challenge: Everything You Need to Know + Section Wrap Up
- Bonus Tutorial: How to Slice a Photoshop Design & Convert it to HTML & CSS
- Bonus Tutorial P2: How to Slice a Photoshop Design & Convert it to HTML & CSS

Introduction to Javascript:

- What is Javascript, The 80/20 Rule + Course Files Download
- Internal & External Javascript
- Basic Syntax of Javascript (and many other programming languages)
- Javascript Output
- Javascript Variables
- Javascript Arrays
- Javascript Functions
- Javascript If / Else Statements
- Javascript Project: Program a Tip Calculator + Tutorial
- Javascript Project: Program a Tip Calculator, Part II

Introduction to jQuery:

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Web Design & Development

- Download & Install jQuery
- The Simple Syntax of jQuery
- jQuery Selectors
- jQuery Event Methods
- Basic jQuery Quiz

Intermediate jQuery:

- jQuery Deep Dive!
- jQuery Chaining
- Hiding, Showing & Fading Content with jQuery
- The jQuery Animate Method
- Modifying CSS with jQuery
- jQuery Project: Mini Race Car Game + Tutorial

jQuery UI (Advanced jQuery):

- jQuery UI: Draggable
- jQuery UI: Droppable
- jQuery UI: Sortable
- jQuery UI: Accordion
- jQuery UI: Datepicker
- jQuery Project: To Do List Web Application + Tutorial

Responsive Design & Development using Bootstrap:

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Web Design & Development

- Getting Started with Bootstrap
- Quickly Prototype with the Free Examples
- Understanding the Bootstrap Grid System
- Responsive (and sexy) Forms
- Responsive Tables, Buttons and Images
- Helper Classes & Responsive Utilities
- Using Glyphicons (Font Icons)
- Bootstrap Navbar
- Bootstrap Modal Window
- Bootstrap ScrollSpy
- Togglable Tabs
- Sliding Carousel
- Bootstrap Project: Code a "Hipster" Startup Website + Tutorial
- Bootstrap Project: Startup Website, Part 2

Advanced Bootstrap Challenge:

- Your Challenge: Convert Your Custom Website Into a Responsive Bootstrap Site

Web Hosting & Domains:

- What is Web Hosting?
- Purchasing a Bundled Domain Name & Hosting Package
- The Hosting Control Panel (a.k.a. cPanel)
- Understanding FTP & How to Upload a Website to Your Live Server

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Introduction to PHP:

- What is PHP & What Does It Do?
- Basic PHP Syntax
- PHP Variables & Constants
- PHP Arrays (Associative & Multi-Dimensional)
- PHP Project: Program an App to fix "Click Bait Headlines" + Tutorial
- PHP Project: Click Bait Headlines, Part 2

Intermediate PHP:

- Let's dive deeper into PHP
- If, Else and Elseif Statements
- PHP Loops: While, For, Foreach & Do While
- PHP Functions & Arguments
- \$_GET and \$_POST
- PHP Project: Convert a Static Website into a Dynamic PHP Site + Tutorial

Introduction to MySQL Databases:

- What is MySQL?
- Creating Your First MySQL Database + phpMyAdmin Overview
- Establishing a MySQL Connection with PHP
- Selecting Data from a Database and Displaying it on Your Web Page
- Insert Data into Your Database from a Web Page
- Password Hashing (for securely storing passwords)
- Using PHP Sessions to Store Global Variables



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Web Design & Development

WordPress:

- Basic WordPress.

Career Development: How to Start Your Web Design / Development Career: