

Introduction

Unlock the power of web development with our 3-Month Full Stack focused on HTML, CSS, and JavaScript. Designed for beginners, this course covers everything from building stunning front-end interfaces to creating dynamic back-end functionality using JavaScript. Learn to craft responsive, interactive websites and deploy them for real-world use.

Month 1: Front-End Development Basics

Week 1: Introduction to Web Development

- What is Full Stack Development?
- Setting Up the Development Environment (VS Code, Live Server, Git)
- HTML Basics:
- Semantic Tags, Forms, and Inputs
- Best Practices for Writing Clean HTML
- CSS Basics:
- Selectors, Properties, and the Box Model
- Introduction to Flexbox
- Hands-on Projects:
- Build a Personal Portfolio Webpage.

Week 2: Advanced HTML and CSS

- Forms and Validation in HTML
- CSS Flexbox and Grid for Advanced Layouts
- Adding Animations and Transitions with CSS
- Hands-on Projects:
- Create a Responsive Landing Page for a Product.

Week 3: Introduction to JavaScript

- JavaScript Basics: Variables, Data Types, and Operators

- DOM Manipulation and Event Handling
- Functions and Scope in JavaScript
- Hands-on Projects:
- Build an Interactive Quiz Application.

Week 4: Intermediate JavaScript

- Arrays, Objects, and Loops
- Form Validation with JavaScript
- JavaScript ES6 Features (Arrow Functions, Template Literals)
- Hands-on Projects:
- Develop a Dynamic To-Do List with Local Storage.

Month 2: Front-End to Back-End Transition

Week 1: Advanced JavaScript Concepts

- Understanding Callbacks and Promises
- Fetch API for Making HTTP Requests
- Introduction to Asynchronous Programming
- Hands-on Projects:
- Build a Weather App Using a Public API.

Week 2: Introduction to Back-End with JavaScript

- Setting Up a Basic Local Server Using Node.js
- Understanding HTTP and REST APIs
- Sending and Receiving Data (JSON Format)
- Hands-on Projects:
- Create a Feedback Form That Saves Data Locally.

Week 3: Handling Data

- Basics of File Handling in Node.js
- Storing and Retrieving Data Using JSON Files
- Simple Authentication Using JavaScript
- Hands-on Projects:
- Develop a Simple Blog with User Comments.

Week 4: Introduction to Deployment

- Hosting Static Websites on GitHub Pages
- Deploying JavaScript Applications Using Netlify
- Version Control with Git and GitHub
- Hands-on Projects:
- Deploy Your Weather App Online.

Month 3: Full Stack Integration and Real-World Projects

Week 1: Full Stack Integration Basics

- Connecting Front-End to Back-End
- Fetching Data from APIs and Displaying it Dynamically
- Error Handling and Debugging
- Hands-on Projects:
- Build a Movie Search Application Using a Public API.

Week 2: Advanced Front-End Features

- CSS Preprocessors (SASS Basics)
- Creating Single-Page Applications with JavaScript
- Adding Animations and Interactivity with JavaScript Libraries (e.g., GSAP)
- Hands-on Projects:
- Develop a Portfolio with Interactive Features.

Week 3: Capstone Project Development

- Planning and Designing a Full Stack Project
- Building Front-End and Back-End Features Simultaneously
- Testing and Debugging Your Application
- Hands-on Projects:
- Options:
- E-commerce Website with Product Filtering.
- Event Booking Platform with User Feedback.

Week 4: Finalizing and Deployment

- Polishing the Capstone Project with Feedback
- Advanced Deployment Techniques (Netlify, Vercel)
- Portfolio Building with All Completed Projects
- Career Preparation: Resume Tips and Mock Interviews

Key Features of the Program

- Hands-On Projects: Build real-world projects every week.
- All-Inclusive Stack: Master front-end and back-end using only HTML, CSS, and JavaScript.
- Portfolio-Ready: Finish with a polished portfolio showcasing your skills.
- Career Support: Resume guidance, interview tips, and career advice.

Join Us Today and take your first step toward becoming a self-sufficient Full Stack Developer!