



KIDS & TEENS FREELANCING TRAINING INSTITUTE

Full Stack Development Course Outline

Week 1: Introduction to Full Stack Development

- What is full stack development?
 - Difference between front-end and back-end
 - How websites and servers work
 - Tools we'll use: HTML, CSS, JavaScript, Node.js
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Week 2: HTML & CSS Basics (Front-End)

- Create web pages using HTML
 - Style pages with CSS (fonts, colors, layout)
 - Build a personal "About Me" web page
 - Introduction to responsive design (mobile-friendly pages)
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Week 3: JavaScript for Interactivity

- What is JavaScript?
 - Variables, functions, and basic logic
 - DOM manipulation (clicks, popups, events)
 - Add animations and simple interactivity to websites
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Week 4: Front-End Mini Project

- Build a mini portfolio or quiz app using HTML, CSS, and JavaScript
 - Learn file structure and debugging tips
 - Host your site using GitHub Pages
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Week 5: Introduction to Back-End Development

- What is a server and how does it work?
- Install and use Node.js + Express

- Create your first server
 - Serve a basic HTML page from the backend
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Week 6: Working with Data (JSON & Forms)

- Create and handle forms
 - Send and receive data with Express
 - Use JSON files to simulate databases
 - Build a feedback or comment form
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Week 7: Connecting Front-End & Back-End

- Connect HTML forms to Node.js backend
 - Fetch data and display it dynamically
 - Intro to APIs and client-server communication
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Week 8: Final Project Week

- Plan and build a full stack web app (e.g., blog, to-do list, portfolio)
 - Include front-end styling + back-end logic
 - Test and present your app
 - Upload project to GitHub and receive certificate
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Bonus Topics (Optional):

- Intro to databases (MongoDB or Firebase)
- Using Bootstrap or Tailwind CSS
- Version control with Git and GitHub
- Deploying apps online (Render, Netlify, or Replit)