



Vijayalakshmi Kumar (B.TECH IT) .NET DEVELOPER

- I have a teaching Experience in APTECH COMPUTER EDUCATION CENTRE For 2 Years
- I have experience of Online Course Teaching At SPARCTSTONZ IT INSTITUTE for 3 years
- Having Experience In Photoshop Certificate Designing for Cholan World Records Institute
- Now I am Teaching online Course In Full Stack Web Development course
- And also doing Final year Projects in MERN stack
- Also Doing Clients projects

Respected sir

I am writing to provide assurance of my commitment to delivering a comprehensive and engaging Full Stack Web Development course. With my experience and passion for teaching, I am dedicated to ensuring a high-quality learning experience for all participants.

The course will cover foundational to advanced topics, including front-end development (HTML, CSS, JavaScript), back-end technologies (Node.js, Express.js), and database management (MongoDB). Emphasis will be placed on hands-on projects, real-world examples, and interactive learning to help students build a strong practical foundation.

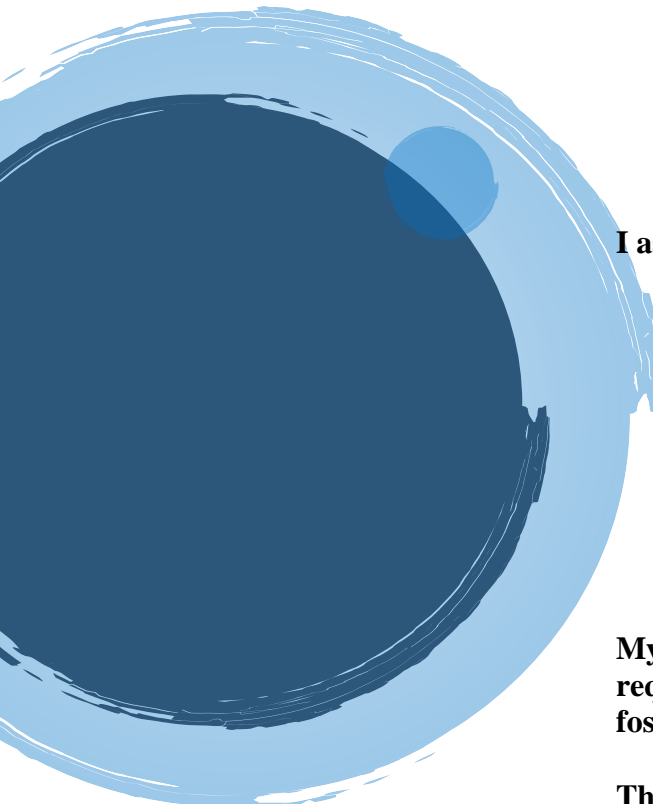


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I assure you that I will:

- **Deliver well-structured and clear lessons tailored to learners' needs.**
- **Provide timely feedback and personalized guidance to address any challenges.**
- **Encourage active participation and collaboration in projects.**
- **Continuously refine the course material to align with industry trends and best practices.**

My goal is to empower students with the confidence and skills required to excel in Full Stack Development. I look forward to fostering a productive and inspiring learning environment.

Thank you for trusting me to guide this course, and I am excited to embark on this journey with my students.

**Sincerely,
Vijayalakshmikumar
8925799269**



15-DAYS BASIC FULL STACK WEB DEVELOPMENT COURSE.

It covers foundational skills in front-end, back-end, and database development.

Day 1-3: HTML & CSS Basics (Front-End Basics)

- **Day 1: Introduction to Web Development**

- Overview of web development (front-end, back-end, full stack)
- Setting up the development environment (VS Code, browser, live server)
- Introduction to HTML
 - Basic structure of an HTML document
 - Essential tags (<html>, <head>, <body>, <div>, <h1>-<h6>, <p>, <a>, , , , <table>)

- **Day 2: HTML Continued & CSS Basics**

- Forms and form controls (<input>, <select>, <textarea>, <button>)
- CSS Basics
 - Syntax and selectors
 - Inline, internal, and external CSS
 - Styling text, backgrounds, and boxes (margin, padding, border)

- **Day 3: CSS Advanced**

- Flexbox and Grid layout
 - Responsive design with media queries
 - Basic introduction to CSS frameworks (e.g., Bootstrap)
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Day 4-5: JavaScript Basics

- **Day 4: JavaScript Essentials**

- Introduction to JavaScript
- Variables, data types, operators
- Functions, events, and DOM manipulation
- Simple interactive features (alerts, button click events)

- **Day 5: Advanced JavaScript Basics**

- Loops, arrays, and objects

- Introduction to ES6 features (let, const, arrow functions, template literals)
- Form validation basics

Day 6-7: Introduction to Back-End Basics (Node.js and Express.js)

- **Day 6: Node.js Basics**

- What is Node.js and why use it
- Setting up Node.js
- Basic Node.js syntax and creating a simple server

- **Day 7: Express.js Basics**

- Introduction to Express.js
- Creating routes
- Serving static files
- Handling basic requests and responses

Day 8-9: Databases (MongoDB)

- **Day 8: Database Fundamentals**

- Introduction to databases and NoSQL vs. SQL
- Setting up MongoDB locally or using MongoDB Atlas
- CRUD operations (Create, Read, Update, Delete)

- **Day 9: Connecting Back-End to Database**

- Integrating MongoDB with Node.js (using Mongoose)
- Building simple API endpoints to handle data

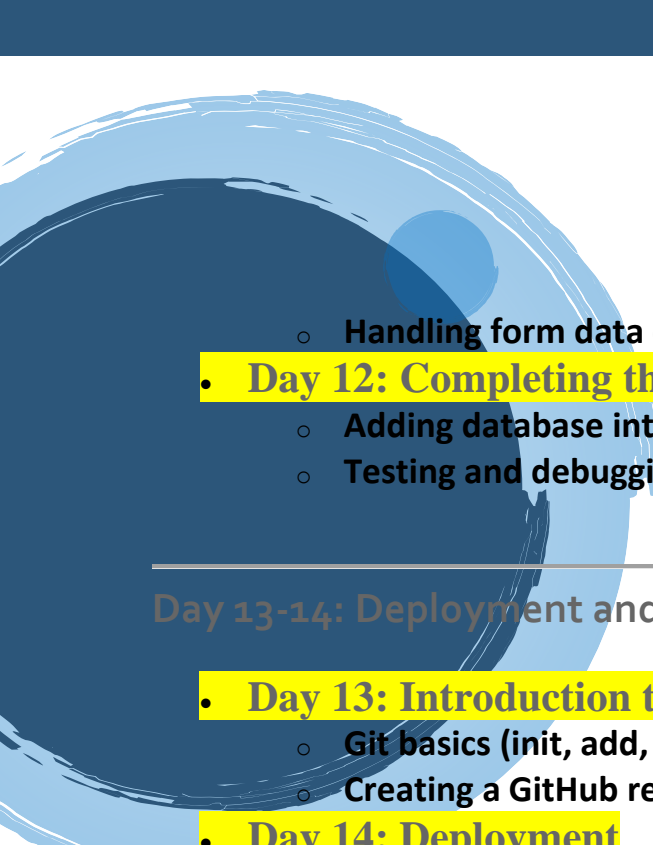
Day 10-12: Building a Simple Full-Stack Application

- **Day 10: Project Setup**

- Setting up project folder structure
- Building front-end forms and layouts

- **Day 11: Connecting Front-End and Back-End**

- Fetch API/Axios for making HTTP requests

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- Handling form data on the server
 - **Day 12: Completing the Application**
 - Adding database interaction
 - Testing and debugging
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Day 13-14: Deployment and Git Basics

- **Day 13: Introduction to Git and GitHub**
 - Git basics (init, add, commit, push, pull)
 - Creating a GitHub repository and uploading code
 - **Day 14: Deployment**
 - Deploying front-end using GitHub Pages
 - Deploying full-stack application using a platform like Render, Heroku, or Vercel
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Day 15: Final Project & Review

- Work on a small project combining everything learned:
 - Example: A "To-Do List" app with user authentication
 - Review key concepts
 - Q&A session and future learning roadmap
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Tools/Technologies Covered:

- **Front-End: HTML, CSS, JavaScript**
 - **Back-End: Node.js, Express.js**
 - **Database: MongoDB**
 - **Deployment: GitHub, Render/Heroku/Vercel**
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