

Full-Stack Development Training and Internship Syllabus

15 Days - Basics of Full-Stack Development

- **Introduction to Web Development**
 - Frontend, Backend, and Full-Stack Overview
 - Tools and Technologies (VS Code, Git, Browsers)
- **HTML & CSS Basics**
 - Structure of Web Pages
 - Styling with CSS (Selectors, Box Model)
- **JavaScript Basics**
 - Variables, Functions, and Loops
 - DOM Manipulation
- **Introduction to Git and GitHub**
 - Version Control Basics
 - Repository Setup and Collaboration

30 Days - Frontend Development Foundations

- **Includes 15-Day Modules**
- **Advanced HTML & CSS**
 - Responsive Web Design (Media Queries)
 - CSS Frameworks (Bootstrap)
- **JavaScript Intermediate**
 - ES6 Features (Arrow Functions, Classes)
 - Event Handling and Debugging
- **Introduction to Frontend Frameworks**
 - Basics of React.js
 - Component Creation and Props
- **Project**
 - Static Website Development

45 Days - Backend Development Basics

- **Includes 30-Day Modules**
- **Introduction to Backend Development**
 - Role of Backend in Web Applications
 - Overview of Server-Side Languages (Node.js Introduction)
- **Node.js and Express.js**
 - Setting Up a Server
 - Routes and Middleware

- **Database Basics**
 - SQL vs. NoSQL Databases
 - Introduction to MongoDB
- **Project**
 - Simple CRUD Application