

## Complete Full Stack Development Course - Duration (4 months)

Complete Web Development Course going from zero to the most advanced: Html, CSS, Javascript, React, Node and SQL

### WHAT YOU'LL LEARN

- Build Complete Web Applications: Learn to create projects from scratch, covering both front-end and back-end.
- Master Front-End Frameworks: Gain expertise in tools like React, Angular, or Vue.js to create seamless user interfaces.
- Back-End Development Skills: Understand server-side programming with Node.js, Express.js, or Django, including database integration.
- Full-Stack Project Development: Build, deploy, and manage full-stack applications with real-world functionality.

### REQUIREMENTS

Basic understanding of programming concepts (optional but helpful).

Familiarity with HTML, CSS, or JavaScript is beneficial but not mandatory.

A computer with a stable internet connection for accessing tools and resources.

A willingness to learn and a passion for building web applications!

### WHO'S THIS COURSE IS FOR

**Aspiring Developers:** Beginners eager to start their journey in web development and build professional-level projects.

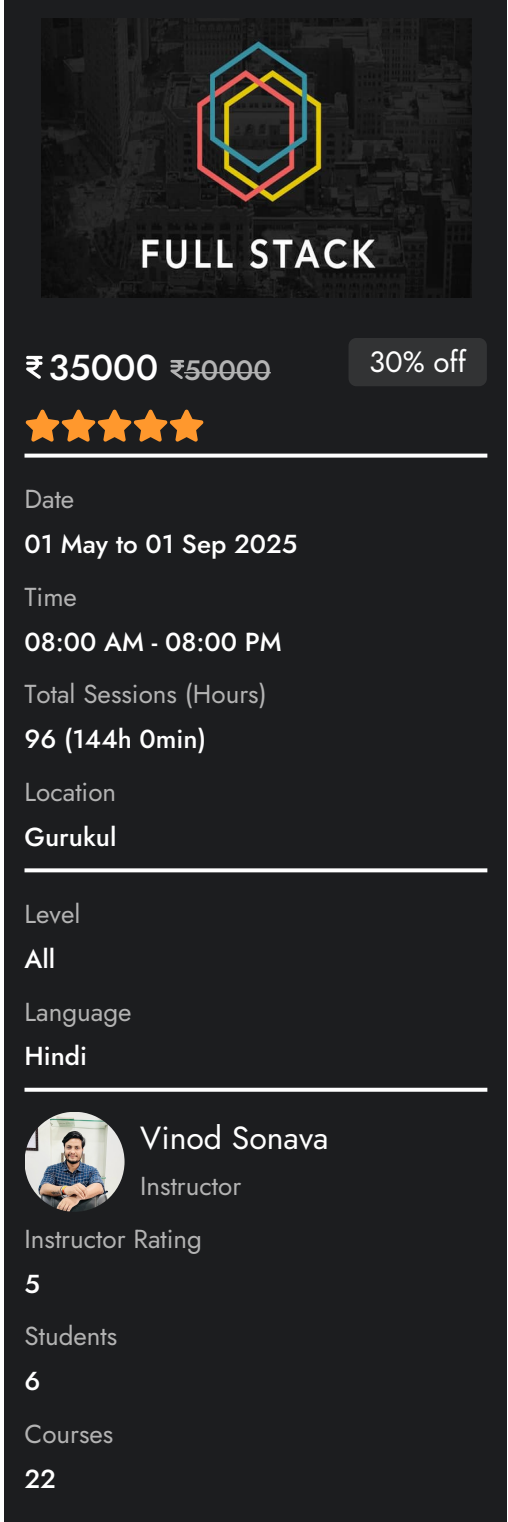
**Intermediate Learners:** Developers looking to expand their skill set to include both front-end and back-end technologies.

**Career Changers:** Individuals transitioning into tech who want to learn full-stack development for job opportunities.

**Students and IT Enthusiasts:** Anyone passionate about coding and eager to explore full-stack development.

### DESCRIPTION

#### Complete Full Stack Development Course - Duration (6 months)



**FULL STACK**

₹ 35000 ~~₹50000~~ 30% off

★★★★★

Date  
01 May to 01 Sep 2025


Time  
08:00 AM - 08:00 PM

Total Sessions (Hours)  
96 (144h 0min)

Location  
Gurukul

Level  
All

Language  
Hindi

 **Vinod Sonava**  
Instructor

Instructor Rating  
5

Students  
6

Courses  
22

- **Duration:** 4 Months
  - **Start Date:** Option to start today also, instructor will adjust you to recently started batch. **Enroll now**
  - **Days:** Mon-Tue-Wed-Thu-Fri-Sat, 6 days a week and 1.5 Hours/Session
  - **Timings:** 8.00 am to 8.00 pm ( Choose any 1.5 hours)
  - **Mode:** Offline (Near Radhika's Authentic South Indian Food, Gurukul, Ahmedabad, Gujarat 380054)
  - **Languages:** English, Hindi & Gujarati
  - **Fees:** INR 35,000/-
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## Course Modules

### Module 1: Introduction to Full-Stack Development

- Overview of web development and its components: Front-end, Back-end, and Databases.
- Full-stack architecture and tools overview.
- Setting up the development environment: Node.js, VS Code, Git, and CLI basics.

### Module 2: Fundamentals of Front-End Development

- **HTML & CSS:**
  - Structure and style web pages using semantic HTML and modern CSS.
  - Responsive design principles and media queries.
  - CSS frameworks like Bootstrap or Tailwind CSS.
- **JavaScript Essentials:**
  - ES6+ features, including let/const, arrow functions, and destructuring.
  - DOM manipulation and event handling.
  - JavaScript fundamentals like variables, loops, and functions.

### Module 3: Advanced Front-End Frameworks

- **React.js:**
  - Building components with JSX.
  - State and props management.
  - React Router for single-page applications.

- Hooks: useState, useEffect, and useContext.

- **Angular (Optional):**

- Angular architecture and component-based development.
- Data binding and dependency injection.
- Routing and navigation.

## **Module 4: Back-End Development**

- **Node.js Basics:**

- Non-blocking I/O and event-driven architecture.
- Setting up an Express.js server.
- RESTful API design and implementation.

- **Django (Optional):**

- Setting up a Django project.
- Building robust server-side applications.
- Django ORM and templating engine.

## **Module 5: Database Management**

- **MongoDB (NoSQL):**

- Introduction to NoSQL databases.
- CRUD operations and schema design with Mongoose.

- **MySQL (SQL):**

- Relational database concepts.
- Writing SQL queries for CRUD operations.
- Integrating MySQL with Node.js or Django.

## **Module 6: API Development**

- Building RESTful APIs.
- Connecting front-end and back-end via APIs.
- Authentication and authorization with JWT or OAuth.
- Error handling and validation.

## **Module 7: Deployment and Version Control**

- **Version Control with Git:**

- Repository management, branching, and merging.
- Collaboration on GitHub or GitLab.

- **Deployment Strategies:**

- Deploying applications using platforms like Heroku, AWS, or Netlify.
- Setting up CI/CD pipelines.
- Environment variables and security best practices.

## Module 8: Advanced Topics

- **Authentication and Security:**

- Implementing login/logout functionality.
- Password hashing, encryption, and secure storage.

- **WebSockets and Real-Time Communication:**

- Introduction to WebSockets and Socket.IO.
- Building real-time features like chat applications.

- **Performance Optimization:**

- Caching, lazy loading, and code splitting.

## Module 9: Capstone Project

- Build and deploy a fully functional web application using the full stack:
- Examples: E-commerce website, social media platform, or blog.
- Present your project with documentation and a live demo.

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This course prepares you for a career as a full-stack developer by equipping you with the skills to design, develop, and deploy dynamic web applications from scratch.