🌐 Full Web Development Course Details

🔷 Course Overview

This is a complete Full-Stack Web Development Course that covers everything needed to build modern websites and web applications — from frontend design to backend programming and database management.
Students learn real-world skills through hands-on projects and industry-standard tools.

📘 1. Front-End Development

🔷 HTML5

- Introduction to HTML
- Elements & attributes
- Forms & validations
- Semantic tags
- Audio/Video
- Canvas basics
- Accessibility
- SEO basics

🎨 CSS3

- Selectors
- Box model
- Flexbox
- CSS Grid
- Responsive design
- Media queries
- Animations & transitions
- Modern UI design practices

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⚡ JavaScript

- Variables, data types
- Conditions, loops
- Functions
- DOM manipulation
- Events
- LocalStorage
- Fetch API
- ES6+ features
- Error handling

📦 Frontend Frameworks

- Bootstrap / Tailwind CSS
- jQuery basics
- React.js (optional/advanced)

🛠️ 2. Back-End Development

🔷 Server-Side Programming (Choose Any One)

PHP, Node.js, or Python (Flask/Django)
Topics include:

- Server-side logic
- Handling forms
- Sessions & cookies
- REST APIs
- Authentication

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- File upload handling

🔷 Databases

- MySQL / MongoDB

- Tables/collections

- CRUD operations

- Joins & relationships

- Using database with backend

🔒 3. Web Security Basics

- SQL Injection prevention

- Password hashing

- HTTPS & SSL basics

- Form validation best practices

- Rate limiting basics

♞ 4. API & Advanced Concepts

- RESTful API design

- JSON format

- Third-party API integration

- Payment gateway overview

- Web hosting & DNS

- Version control with Git & GitHub

🚀 5. Deployment & Hosting

- cPanel hosting

- Uploading website

- Database deployment

- Domain connection

- GitHub Pages (for frontend)

- Netlify / Vercel (optional)

🎓 6. Real-World Projects

Students build these complete projects:

Beginner Projects

- Resume website

- Landing page

- Image gallery

- Calculator

- Form validations

Intermediate Projects

- Responsive eCommerce UI

- News website

- Weather application (API)

- Admin dashboard UI

Advanced Projects (Full Stack)

- Blog website with admin panel

- eCommerce website with cart

- User login & authentication system

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- Appointment booking system

- Portfolio with contact form

🖼️ Course Duration

- Full Stack: 3–6 months

- Frontend Only: 1–2 months

- Backend Only: 1–2 months

👤 Who Can Join

- Students

- Beginners in programming

- Professionals switching careers

- Freelancers

- Anyone wanting to build websites & apps