


Full Stack Development with Django Bootcamp

 Ts-Developers.com

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◆ **Module 1: Frontend Fundamentals (Weeks 1-4)**

- Introduction to Web Development & Tools Setup
- HTML5 Essentials (Tags, Forms, Media, Semantic)
- CSS3 (Selectors, Layouts, Flexbox, Grid, Animations)
- Mini HTML & CSS Projects

◆ **Module 2: Advanced Frontend Development (Weeks 5-8)**

- Bootstrap 5 (Responsive Design, Components, Utilities)
- JavaScript Basics (Variables, Functions, Loops, DOM, Events)
- ES6 Features (Arrow Functions, Let/Const, Template Strings)
- Git & GitHub (Version Control, Branching, Collaboration)
- Mini Frontend Projects (Landing Pages, Forms, Portfolio)

◆ **Module 3: JavaScript & jQuery (Weeks 9-12)**

- Advanced JavaScript (DOM Manipulation, Events, Arrays, Objects)
- jQuery (Selectors, Effects, Plugins)
- AJAX Basics with jQuery
- Frontend Mini Project (Dynamic Form, Interactive UI)

◆ **Module 4: Python Fundamentals (Weeks 13-16)**

- Introduction to Python & Setup
- Variables, Data Types & Operators
- Conditional Statements & Loops
- Functions & Modules
- Lists, Tuples, Dictionaries & Sets
- File I/O & Error Handling
- Mini Python Project (CLI Calculator, Notes App)

◆ **Module 5: Python OOP, JSON & API Handling (Weeks 17-20)**

- Object-Oriented Programming in Python (Classes, Inheritance, Polymorphism)
- Working with JSON (Encode, Decode, APIs)

- Handling User Input & Data Validation
 - Intro to REST APIs (requests library)
 - Mini Project (User Authentication System, API Integration Example)
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◆ **Module 6: Django Framework (Weeks 21-24)**

- Introduction to Django & MVC/MVT Architecture
 - Django Project Setup & Structure
 - Django Models, ORM & Migrations
 - Views, Templates & Static Files
 - Django Forms & User Authentication
 - Django REST Framework Basics
 - Mini Django Project (Blog App, Task Manager)
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◆ **Module 7: Final Project Development (Weeks 25-28)**

- Project Planning & Requirement Analysis
- Database Design & ERD Mapping
- Full Stack Implementation with Django
- API Integration (Optional)
- Testing & Debugging
- Deployment on Live Server (Heroku, PythonAnywhere, etc.)
- Documentation & Presentation
- Final Project Submission & Certification