Python Django with React

About Infocampus

Excellence in Networking & Software Training InfoCampus is a leading IT training institute in Kerala, offering world-class Networking and Software Development programs under the guidance of industry experts. With a perfect blend of Cisco-certified networking courses and cutting-edge software training, we equip students with the skills demanded by global IT giants.

Learn from certified industry experts

Not just trainers, but professionals who have worked in top tech firms.

100% practical training

Real labs, real projects, real experience

Placement-focused approach

Resume building, mock interviews, and direct recruitment support.

Affordable fees premium quality
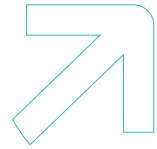
No compromise on learning standards.

15+ Years of Expertise   **10K+** Successful Graduates

FUTURE PATH
INFOCAMPUS

Be Trained by a
Full-Stack Industry Expert!

Ms. Ranya

A seasoned professional
with expertise in
Full-Stack and AI/ML

15⁺ Years in **Software
Development & Training**

"

Give me your dedication, I'll give you
mastery. Let's turn lines of code into
a **lifetime of opportunities**.

Python Django with React Full Stack Development

By choosing our Python Django with React Full-Stack course, you're learning the most sought-after skills in today's job market. Companies worldwide use Django (Instagram, Spotify) and React (Facebook, Airbnb) to build scalable web apps, making these skills highly valuable. After this course, you'll be able to develop complete applications, boost your employability, and access high-paying roles.

Format

Offline

- Live Classes
- Recorded Video Lectures (Lifetime access)
- Hands-On Coding Sessions (Real-time practice)

Online

- Live Online Classes (Zoom/Google Meet)
- Recorded Video Lectures (Lifetime access)
- Hands-On Coding Sessions (Real-time practice)

Duration

5 Months + 1 Month Capstone Project

Program Highlights

Tailored Curriculum aligned with Industry Standards

Inclusive & Immersive Hybrid Training Sessions

Free Soft Skills Training

Industry Expert Sessions

Certifications

Placement Assistance

FUTURE PATH
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⬈ Core Python

Python Basics

- Programming Languages, Full Stack, SDLC, Problem-solving
- Language processors, Flowchart, Algorithm
- Python Introduction
- Tokens
- Control Statements (if, if-else)
- Looping (for, while, range)
- Pattern Printing
- Functions
- Recursion & Lambda functions

Data Structures

- List
- Strings
- Dictionary
- Tuple
- Set
- Shallow Copy & Deep Copy

OOPs

- Class & Objects, OOP concepts
- Constructors, Inheritance
- Abstraction, Encapsulation, Polymorphism
- Operator overloading, Multiple Inheritance, Static Methods and Class Methods

Curriculum

FUTURE PATH
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Pickling, Modules and Packages

Functional Programming

Regular Expressions and Decorators

File Handling

Exception Handling

Project & Git

↗ Front End

HTML

CSS

JavaScript

Bootstrap

Project (HTML + CSS + JavaScript
+ Bootstrap)

React

- React Components
- Lists and Keys
- Forms and User Input
- React Hooks (State, Lifecycle)
- Context API and Data Grids
- React Router
- State Management with Redux

↗ Back End

MySQL

- Introduction to MySQL and Basic SQL Commands
- Querying Data and Filtering Results
- Aggregate Functions, Grouping, and Subqueries
- Joins, Relationships, and Database Design
- Python Connection to MySQL and Database Management

Django

Django Fundamentals

- Introduction to Django
- Django Applications and Views
- Templates in Django
- Django Models
- Django Admin Interface
- Django Forms
- Handling Static and Media Files
- Working with Models and the ORM
- Django User Authentication
- Building a Simple Web App

Advanced Django and REST API Development

- Django Class-Based Views (CBVs)
- Django Middleware
- Django Signals
- Introduction to Django REST Framework (DRF)
- Serializers in DRF
- Basic API Views with DRF
- Routers and URL Routing in DRF

FUTURE PATH
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- Working with ModelViewSet in DRF
- Authentication and Permissions in DRF
- Building an API with CRUD Functionality

Project, Celery, Channels, and Advanced Topics

- Pagination and Filtering in DRF
- Celery for Background Tasks (Part 1 & 2)
- Introduction to Django Channels
- Real-Time Functionality with Django Channels
- Deploying Django Applications

↗ Main Project

Building a complete Django project integrating REST API

↗ Tkinter – GUI Web Development

Career Support

↗ **Benefit from Comprehensive Placement Assistance:** Gain Access to Diverse Job Opportunities Across Various Industries.

↗ **Experience Industry Mentorship:**

Receive Guidance from Seasoned Mentors at Leading Companies such as Tesla, Google, Samsung, and Zeta to Propel Your Career Forward.

↗ Resume Review Obtain specific, personalized inputs on your resume structure and content

Curriculum

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Call ────────────

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