Python Django Angular Full Stack

Master the job-oriented skills to become an Python Django Angular Full Stack

Duration: 3 Months Course + 1 Month Internship

PRACTICAL ORIENTED CURRICULUM

About the course :

Become an expert in front-end development using Angular and back-end using Django. In the Python Django Angular Full Stack, you will have the opportunity to learn and develop scalable web, mobile, and desktop applications with the concepts of the Angular framework. The course is completely practically oriented and taught by experts in the tech field.

What you will learn :

- Introduction to Python
- Python Syntax
- Data Structures
- Functions
- File Handling
- Object-Oriented Programming
- Decorators
- Testing and Debugging

- Modules and Packages
- Error Handling and Exceptions
- Working with Strings
- Functional Programming
- Advanced Data Structures
- Generators and Iterators
- HTML, CSS, Bootstrap
- Web Development with Django
- Django REST frameworks

PostgreSQL for RDBMS

- introduction to PostgreSQL
- Basic SQL Commands
- Managing Databases and Tables
- Advanced Queries and Joins
- Working with Indexes
- Database Administration Tasks

Introducing Angular

- What is Angular?
- Why Angular?
- Building Blocks of an Angular Application
- Angular js vs Angular
- What is Angular CLI

Introduction to TypeScript and Project Setup

- What is TypeScript?
- Advantage of TypeScript over JavaScript
- Installation and setup

Components

- What is a Component?
- The Component Class
- Creating a Component Using Angular CLI
- Component Lifecycle Hooks

Directives and Decorators

- What are Directives?
- Structural Directive
- Attribute Directive
- Types of Decorators and uses

Services, Dependency Injection and Router

- What is a Service?
- What is Dependency Injection?
- Injecting Services
- Routing and Navigation

Pipes, Data Formatting and Event Binding

- What are Pipes?
- Built-in Pipe and Custom Pipe
- Data Binding
- Classification of Data Binding
- One-Way Data Binding and Two-Way Data Binding
- Interpolation

Angular Modules and RxJs

- Introduction of Modules
- Types of NgModule
- What is Observable, Subscribe and Promise
- RxJS Subject and BehaviorSubject
- Lazy loading implementation

Session Management

- Types of Session Data
- HTML Web Storage
- Storing Json Objects
- Iterating Over Items

Forms in Angular and Validations

- What is Form?
- Forms in Angular
- Template Driven Forms
- Model-Driven Forms (Reactive Forms)
- What is FormControl?
- Reactive Forms with Validation
- Custom Validator

Live Project

- E-commerce Application

Why Techno Dot Academy?

Guaranteed Placement Assistance and Internship

Endorsed by IT Firm

Scholarships/Earn While Learn Option

Exit Profiles

- Angular-django full stack developer
- Angular developer
- Django developer
- Full stack developer
- Web developer

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