Python FSD - TOC

Duration: 20Hours (4 hours/day, spread around 5 days)

Python FSD with Jinja, Django, Flask and MongoDB

Day1 Introduction to Full Stack Development and Flask

- ✓ Introduction to Full Stack Development and its Components
- ✓ Understanding the Role of Backend and Frontend
- ✓ Introduction to Flask Framework
- ✓ Creating a Simple Flask Application
- ✓ Handling Routes and Requests
- ✓ Introduction to Jinja2 Templating Engine

Day 2 Flask Continued and Introduction to MongoDB

- ✓ Recap of Flask Concepts
- ✓ Working with Templates and Jinja2
- ✓ Handling Forms and User Input
- ✓ Introduction to MongoDB and NoSQL Databases
- ✓ Setting up MongoDB in Flask Application

Day 3 Django Basics and MongoDB Integration

- ✓ Introduction to Django Framework
- ✓ Creating Django Models and Database Setup
- ✓ Building Views and Templates in Django
- ✓ Overview of User Authentication in Django
- ✓ Integrating MongoDB with Django Application

Day 4 Advanced Django and Full Stack Development

- ✓ Recap of Django Concepts
- ✓ User Authentication and Permissions in Django
- ✓ Building RESTful APIs with Django
- ✓ Consuming APIs from Frontend (JavaScript)
- ✓ Introduction to Deployment Considerations

Day 5 Project Work and Deployment

- ✓ Group Project: Developing a Full Stack Web Application
- ✓ Applying Flask/Django, Jinja2, and MongoDB in the Project
- ✓ Integrating User Authentication and API Endpoints
- ✓ Finalizing the Project and Testing
- ✓ Deployment Options for Flask/Django Applications