Python with Django

Month 1: Introduction to Python and Django Basics

Week 1: Introduction to Programming and Python

- Overview of programming concepts
- Installing Python and an IDE and a First Python program

Week 2-3: Python Basics

- Variables, data types, and operators
- Control flow (if statements, loops)
- Functions and basic input/output

Week 4-5: Introduction to Django

- Overview of Django framework
- Setting up a Django project and application
- Django models and basic database interactions

Week 6: Django Views and Templates

- Creating views and templates
- URL patterns and routing in Django
- Integrating templates with views

Month 2: Advanced Django and Final Project

Week 1-2: Django Forms and User Authentication

- Handling forms in Django
- User authentication and authorization
- Building basic web applications with Django

Week 3-4: Advanced Django Concepts

- Django ORM and Querysets
- Django Rest Framework for building APIs
- Frontend integration and using JavaScript with Django

Week 5-6: Final Project and Deployment

- Final project planning and development
- Deploying Django applications to a web server
- Presentations and feedback