

Introduction to Python

Python IDE Installation,
Identifiers,
Data types,
Print & Input Functions,
Operators,
Conditional Statements,
Looping,
Control Statements,
String Manipulation Functions,
Pattern Printing,
Set,
List,
Tuple,
List Comprehension,
Dictionaries,
Files,
Modules & Packages.

Advanced Python

OOPS Concepts,
DataBase,
MySQL,
Exception Handling,
Functional Programming
Python to DB.

Django Framework

Creating Virtual Environment,
Django Installation,
Creating Project and App,
Understanding Significance of Project Files,

Django Architecture,
Writing Views,
urls,
Templates,
Models,
ORM Queries,
Template Inheritance,
Django Static Files,
Image Upload and Display,
Django Forms,
Form Validation,
Model Form,
Form Styling,
Function Based Views,
Class Based Views(Template View,Create View, Update View, Detail View,Delete View),
Decorating Class Based View,Django Authentication,
Sending E-mails Using Django ,Django Model Relationships,
Django Custom User Model,
Django-Mysql Connection
Django Rest Framework

ReactJS

Introduction, Install,
How to set up a project,
React Introduction,
Environment Setup,Features,
Angular vs ReactJS,
JSX,
Components,
Functional component,
Rendering Lists,
Conditional rendering,
State and Props,
Component lifecycle,

Forms,
Consuming rest apis via axios,
Events,
Routing - React router,

Deployment

vercel app

Python anywhere