



Python

- Installation and Setup of Python
- Functions,
- Statements, Conditions
- Strings, Operators
- Lists, Tuples
- Sets, Dictionaries
- Python basics recap
- Loops & Functions
- OOPs concepts
- Built-in modules in Python
- File and Exception Handling
- Using python packages(Numpy)

Django

- Introduction to Django Framework
- Building Django Application
- URL Routing
- Views and templates
- Forms and inputs
- Static Files and Media Handling
- Authentication and authorization
- Testing and Debugging
- Deployment
- Setting up a Python development
- Django App with PostgreSQL
- Django Models and ORM
- Working with Admin Module
- Django Views and Templates
- Django Forms and Design
- Django Reports

HTML

- Introduction of HTML
- Formatting, Quotations
- Hyperlinks
- Images
- Block Level and Inline Level Elements
- Table, Media, and Form
- Semantic Elements

GitHub

- Introduction to Version Control System
- Git Basics
- Introduction to GitHub
- Branching and Workflows

FastAPI

- API basics
- http methods
- http status code
- creating API
- database interaction

RDBMS (MySQL)

- Introduction to Database & DBMS
- Data types
- Table, Record, Field
- SQL Queries,
- Database Normalization
- Joins, Sub Queries
- INSERT | UPDATE | DELETE Operations
- DDL Commands
- PL/Sql