Python Project Summary Plan

(Four Projects with Resume Build class)

First Week end(Sat & Sun) Plan:

Project Name: Banking Application (Deposit, Withdrawal, Transfer, Create Account)

Saturday: Revision Topics (Based on Project)

- Object-Oriented Programming (Classes, Objects, Methods, Inheritance, Polymorphism)
- Functions in Python (Parameters, Default Values, *args and **kwargs)
- File Handling (Reading, Writing, Appending, Error Handling)
- Exception Handling (try, except, finally, Custom Exceptions)
- Collections (Lists, Dictionaries, Sets, Tuples)

Sunday: Project Implementation

Project Abstract:

Banking Application for Handling Transactions

This project focuses on simulating a basic banking system that allows users to:

- Create an account with account details.
- Deposit money into the account.
- Withdraw money from the account with balance checks.
- Transfer money between accounts.
- View transaction history.
- The system will use OOP principles for managing accounts and file handling for storing transaction records.

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Second Week end(Sat & Sun) Plan:

Project Name: Flight Ticket Booking Website using Tkinter

Saturday: Revision Topics (Based on Project)

- Tkinter Basics (Widgets: Button, Label, Entry, Frame)
- Layout Management (Grid, Pack, Place)
- Event Handling (Binding functions to widgets)
- Database Integration (SQLite3)
- File Handling (Saving and retrieving booking details)

Sunday: Project Implementation

Project Abstract:

Flight Ticket Booking System with GUI

This project involves creating a graphical user interface (GUI) for booking flight tickets. Features include:

- User registration and login system.
- Selecting flight details (departure, arrival, date, time).
- Booking and confirming tickets.
- Database integration to store booking records.
- Displaying booking summaries and allowing cancellation of tickets.
- The application will be built using Tkinter for GUI and SQLite3 for data storage.

Third Week end(Sat & Sun) Plan:

Project Name: API Networking – Sending Messages Between Servers

Saturday: Revision Topics (Based on Project)

- RESTful APIs (GET, POST, PUT, DELETE methods)
- Python Libraries for APIs (requests, flask)
- JSON Data Handling (Serialization, Deserialization)
- Basic Networking (Client-Server model)
- Error Handling in API Requests

Sunday: Project Implementation

Project Abstract:

API Networking for Sending Messages Between Servers

This project focuses on creating an API system where one server can send messages to another server. The key features include:

- Developing a Flask-based server to handle incoming requests.
- Creating client-side scripts to send messages using the requests library.
- Handling JSON data for message content.
- Implementing error handling for API requests and responses.
- Testing the system with public/open APIs.

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Fourth Week end(Sat & Sun) Plan:

Project Name: Django with E-commerce Application

Saturday: Revision Topics (Based on Project)

- Django Framework Basics (Models, Views, Templates, URL Mapping)
- ORM (Object-Relational Mapping) for Database Interaction
- Forms and User Authentication (Login, Register, Logout)
- CRUD Operations (Create, Read, Update, Delete)
- Static Files and Media Management (Images, CSS, JavaScript)

Sunday: Project Implementation

Project Abstract:

Django-Based E-commerce Application

This project involves creating a fully functional e-commerce application with features such as:

- Product listings with images and descriptions.
- User authentication (registration, login, logout).
- Shopping cart functionality (add, remove, update items).
- Checkout process with order summary.
- Order and shipping management.
- Admin panel for managing products and orders.

Fifth Week end(Sat & Sun) Plan:

How to Modify a Resume and Optimize Profiles

Saturday: Resume Modification

Fresher Resume:

Highlight academic achievements.

Include internships, projects, and certifications.

Focus on skills and coursework relevant to the job.

Non-IT to IT Transition Resume:

Emphasize transferable skills (problem-solving, teamwork).

Highlight relevant certifications and projects.

Tailor the resume to show interest in IT roles.

Experienced Professional Resume:

Focus on job achievements with measurable outcomes.

Highlight leadership roles and technologies used.

Keep it concise and tailored to the desired role.

Career Change Resume:

Address the reason for the change in the objective.

Highlight skills from previous careers applicable to the new role.

Show learning initiatives like certifications or courses.

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Sunday: LinkedIn and Naukri Optimization

LinkedIn:

Profile Photo and Headline optimization.

Write a compelling About/Summary section.

Add Skills and Endorsements.

Network by joining groups and following companies.

Naukri:

Complete the profile 100%.

Use keywords that match job descriptions.

Upload a professional resume PDF.

Enable job alerts and frequently update the profile.

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