

# Assignment: Building a Streamlit Portfolio Web App

## Objective:

In this assignment, you will create a **portfolio website** using Streamlit to showcase your projects, skills, and experience interactively.

---

## Task 1: Setting Up the Environment

1. Install Streamlit (if not already installed):  
`pip install streamlit`
  2. Create a new Python file, e.g., `portfolio.py`.
- 

## Task 2: Implement Sidebar Navigation

- Use `st.sidebar` to create a navigation menu with the following pages:
    1. **Home**
    2. **Projects**
    3. **Skills & Experience**
    4. **Contact**
- 

## Task 3: Design Each Page

### Home Page

- Display a welcome message.
- Show a professional image (you can use a placeholder image).
- Write a short introduction about yourself.

### Projects Page

- Create a list of at least **3 projects**.
- Each project should include:
  - A title.
  - A brief description.

- A link to the GitHub repository.

### Skills & Experience Page

- List **at least 5 skills** related to your expertise.
- Mention your work experience, internships, or relevant roles.

### Contact Page

- Display your **email, LinkedIn profile, GitHub profile, and phone number**.
- 

### Task 4: Improve User Experience

- Add **images/icons** to enhance the UI.
  - Use `st.markdown()` for styling text.
  - Organize content using `st.columns()` for better layout.
- 

### Task 5: Running & Deploying the App

1. Run the app locally:  
`streamlit run portfolio.py`
  2. Deploy the app using **Streamlit Community Cloud** or **GitHub Pages** (Optional).
- 

### Bonus (Extra Points)

- Add a **blog or testimonial** section.
  - Use `st.form()` to create a **Contact Me** form.
  - Implement a **dark mode/light mode toggle**.
- 

### Submission Instructions

- Upload your **portfolio.py** file to GitHub.
  - Share the **GitHub repository link**.
  - If deployed, share the **Streamlit app link**.
-

- ♦ **Deadline:** —
- ♦ **Evaluation Criteria:** Functionality, UI design, code quality, and deployment (if done).

Happy Coding! 🚀