MCA Major Project: Portfolio Website Requirements Document

1. Introduction

Every MCA student must create a **personal portfolio website** as their major project. This document outlines the **minimum requirements**, guidelines, and expectations. Students must strictly follow these points to ensure their project meets academic and industry standards.

2. Core Objectives of the Portfolio Website

A good portfolio should: - Showcase your **skills, projects, achievements, and personality**. - Act as a **professional digital identity**. - Be responsive across **Mobile, Tablet, and Desktop**. - Follow clean UI/UX principles and proper coding practices.

3. Mandatory Sections of the Portfolio

3.1 Home / Hero Section

- A professional introduction.
- Clear headline: who you are.
- Sub-heading: what you do (e.g., "MCA Student | Full Stack Developer | AI/ML Enthusiast").
- A good-quality professional photo or illustration.
- A call-to-action (CTA) button: *"View Projects"* or *"Download Resume"*.

3.2 About Section

- Short professional summary.
- Your interests, expertise, career goals.
- At least **3–5 key skills** highlighted.

3.3 Skills Section

- Technical skills divided into categories:
    - **Programming Languages**
    - **Frameworks & Libraries**
    - **Tools & Technologies**
    - **Soft Skills**
- Use progress bars, icons, tags, or grids.(optional)

3.4 Projects Section (Most Important)

- At least **4 major projects** with:
    - Project title
    - Description
    - Tech stack used
    - GitHub link (mandatory)
    - Live demo link (if available)
    - Thumbnail image or preview

3.5 Education Section

- Academic qualifications
- Relevant coursework (optional)
- Certifications (if any)

3.6 Experience / Internship (Optional but Recommended)

- Internship/project-based learning experience
- Roles & responsibilities

3.7 Contact Section

Must include: - Email - Phone (optional) - Social profiles: - GitHub - LinkedIn - Portfolio (this website itself) - LeetCode / HackerRank (optional) - A working contact form (HTML Formspree or backend)

3.8 Resume Section

- Option to **download your resume** (PDF)(Google drive link)
- Keep resume updated and professional

4. Technical Requirements

4.1 Development Tech Stack

- Students may use: - **HTML, CSS, JavaScript** (minimum requirement) - OR React/Next.js/Vite React - CSS frameworks allowed: - Tailwind CSS
- Deployment platforms allowed: - GitHub Pages - Netlify - Vercel

4.2 GitHub Requirements

- Code must be pushed to GitHub.
- Make the repository **public**.

5. Design Requirements (UI/UX Standards)

5.1 Layout & Structure

- Clean and consistent layout.
- Proper spacing, padding, and alignment.
- Consistent color palette (2–4 colors max).
- Use readable fonts (Google Fonts preferred).

5.2 Animations (Optional but Good to Have)

- Smooth scroll
- On-scroll animations (Gpt sample prompt: when i scroll the page one by one container will appear with good animation effect)
- Hover effects

6. Responsive Design Requirements

Your portfolio **must** be responsive for:
- **Mobile View (300px–480px)**
- **Tablet View (768px–1024px)**
- **Desktop View (1280px & above)**

6.1 Mobile View Guidelines

- Use single-column layout.
- Hamburger menu for navigation.
- Fonts should be minimum **14–16 px**.
- Images should resize automatically.
- Buttons must be big enough for touch interaction.
- Avoid long paragraphs; keep it readable.

6.2 Tablet View Guidelines

- Use **two-column** layout where suitable.
- Navigation can be horizontal or collapsible.
- Ensure grid-based sections (skills, projects) adapt properly.

6.3 Desktop View Guidelines

- Use multi-column grids for projects and skills.
- Keep hero section wide and visually appealing.
- Add animations and interactive elements (optional).

7. Deployment Requirements

Your portfolio must be: - Fully deployed online. - Publicly accessible. - Shared with faculty (link submission). - Hosted through GitHub, Netlify, or Vercel.

8. Submission Requirements for Students

Each student must submit: 1. Live portfolio link 2. GitHub repository link 3. Resume (PDF) 4. Short video walkthrough (optional but recommended) 5. Summary write-up (approx. 250 words)

9. Evaluation Criteria

Criteria	Marks
UI/UX Design	10
Functionality & Responsiveness	6
Code Quality & GitHub Repository	2
Professionalism & Completeness	2

Total: 20 Marks

10. Final Instructions

- Maintain professionalism.
- Do not copy templates without customizing.
- Focus on clean design and good presentation.
- Submit only after complete working site.

All the Best