# Project Management Plan: The Abhiyan Sainju Portfolio Website

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## 1. Project Goal & Vision

The goal is to design, develop, and deploy a unique, professional portfolio website that serves as a personal brand hub. The site will showcase Abhiyan Sainju's identity as a skilled **Software Engineer** (projects, experience), a creative **Photographer** (gallery with EXIF details), and a critical **Thinker** (deep dives, journey from Kathmandu → DC).

This project moves beyond a simple digital resume to combine professionalism, creativity, and personality into a memorable site that recruiters and professional connections will remember.

## 2. Technology & Tools

| Category | Tool / Technology | Purpose |
|---|---|---|
| **Framework** | React (with Vite) | For building a modern, fast, component-based user interface. |
| **Styling** | Tailwind CSS | For a utility-first, fully custom, and responsive design system. |
| **Animations** | Framer Motion | To add polished, professional, and fluid animations. |
| **Deployment** | Vercel | For seamless, continuous deployment connected to the Git repository. |
| **Domain** | abhiyansainju.com | For a professional and branded online presence. |
| **Version Control** | Git & GitHub | For disciplined code management and collaboration. |

| Project Tracking | GitHub Projects / Trello | For task and progress tracking using a Kanban board. |

## 3. Phased Deliverables & Timeline

The project will be executed in four distinct phases for iterative development.

### Phase 1: Foundation & Brand Identity (MVP)

- **Goal:** Establish the technical foundation and build a complete, recruiter-ready MVP.
- **Estimated Timeline:** Week 1

| Deliverable | Key Features & Technical Implementation |
| --- | --- |
| **1.1: Brand Identity** | • Color Palette: Light (off-white #F8F7F4), Dark (charcoal #1A1A1A), Accent (warm orange #FF7A00).<br>• Typography: Heading Font (Space Grotesk), Body Font (Inter). |
| **1.2: Core Layout** | • Navbar.js: Top navigation with links: Projects, Photography, Deep Dives, About.<br>• Hero.js: "Hi, I'm Abhiyan Sainju." tagline, with a background photo and gradient overlay.<br>• Footer.js: Links to Resume, LinkedIn, GitHub, and a playful CTA. |
| **1.3: Projects Section** | • ProjectGrid.js & ProjectCard.js showcasing InfraSight, ChainCheck, MediQuery, etc.<br>• Cards will feature an image/GIF, impact statement, and tech-stack pills. |
| **1.4: About Section** | • Initial version with a short professional and personal story, including the Kathmandu → DC journey. |
| **1.5: Git Setup** | • Initialize repo, establish main & develop branches, add .gitignore and README.md. |

## Phase 2: Core Content & Interactivity

- **Goal:** Build out the main content sections and enhance the user experience.
- **Estimated Timeline:** Weeks 2-3

| Deliverable | Key Features & Technical Implementation |
|---|---|
| **2.1: Experience Section** | • <ExperienceItem /> component to dynamically render your work history.<br>• Props: role, company, dates, description, technologies[].<br>• Implement a staggered, animated timeline layout. |
| **2.2: Photography Gallery** | • PhotographyGrid.js using a masonry-style layout.<br>• Implement a lightbox for a full-screen image view.<br>• Feature: Display EXIF data (camera, lens, settings) on hover. |
| **2.3: Dark/Light Mode** | • Implement a theme toggle ☀️/🌙 using React state and Tailwind's dark: classes. |
| **2.4: Polish & Animations** | • Integrate **Framer Motion** for subtle animations: fade-ins, hover-scaling, and smooth section transitions. |

## Phase 3: The "Uniquely Abhiyan" Layer

- **Goal:** Add the highly personal and memorable features that differentiate the portfolio.
- **Estimated Timeline:** Week 4

| Deliverable | Key Features & Technical Implementation |
|---|---|
| **3.1: "Deep Dives" Section** | • A dedicated section for technical writing and critical thinking.<br>• Feature your essay on AI & Copyright.<br>• Create a post with an interactive visualization (e.g., Coupon Collector's |

| | Problem). |
|---|---|
| **3.2: Personal Story Visual** | • In About.js, create an interactive map or a visual timeline detailing the **Kathmandu → D.C. journey**. |
| **3.3: Unique Footer** | • Enhance with a dynamic "Currently Listening To:" feature and the "Let's talk FC Barcelona ⚽" CTA. |

## Phase 4: Final Polish & Deployment

- **Goal:** Conduct final testing, optimize for performance, and launch the website.
- **Estimated Timeline:** Week 5

| Deliverable | Key Features & Technical Implementation |
|---|---|
| **4.1: Final Review** | • Cross-browser testing and thorough responsive design checks.<br>• Code cleanup and refactoring. |
| **4.2: Deployment** | • Merge develop into main.<br>• Deploy the main branch to Vercel and connect the custom domain. |

# 4. Git Workflow & Versioning

- **Branching Strategy:** A simplified GitFlow model.
  - **main**: Stable, production-ready code for Vercel deployment.
  - **develop**: The primary integration branch.
  - **feat/\***: For all new features (e.g., feat/add-navbar). Branched from develop.
  - **fix/\***: For bug fixes.
- **Pull Requests (PRs):** Even as a solo developer, all features will be merged into develop via a PR to document changes.
- **Commit Style:** We will adhere to **Conventional Commits** (e.g., feat(hero): add tagline and background).
- **Releases:** We will use Semantic Versioning to tag major milestones.
  - **v1.0.0**: Initial MVP launch.
  - **v1.1.0**: "Deep Dives" and Personal Story visual added.

# 5. Project Tracking & Management

- **Tool:** A Kanban board using GitHub Projects or Trello.
- **Columns:** To Do → In Progress → Review → Done.
- **Purpose:** To maintain a clear and organized view of all tasks and their current status throughout the development lifecycle.

## 6. Future Enhancements (Post-Launch)

The following features are planned for future releases beyond the initial launch:

- **Abhiyan Bot 🤖:** A playful, interactive chatbot to answer FAQs.
- **"Now" Section:** A page to share what you are currently learning or working on.
- **Photography × Code Fusion:** An experimental section to overlay data visualizations on photo backgrounds.
- **Football Easter Egg ⚽:** A hidden animation for a touch of personality.