

Frontend Developer Portfolio Website Pathway

1. Project Setup

```
npm create vite@latest my-portfolio --template react
cd my-portfolio
npm install
npm install -D tailwindcss postcss autoprefixer
npx tailwindcss init -p
npm install react-router-dom framer-motion react-icons
```

* Tailwind Config

tailwind.config.js

```
content: ["../index.html", "./src/**/*..{js,ts,jsx,tsx}"],
```

index.css

```
@tailwind base;
@tailwind components;
@tailwind utilities;
```

2. Suggested Folder Structure

```
src/
├── assets/
├── components/
│   ├── Navbar.jsx
│   ├── Footer.jsx
│   ├── Hero.jsx
│   ├── ProjectCard.jsx
│   ├── SkillsGrid.jsx
│   ├── ContactForm.jsx
│   └── Button.jsx
└── pages/
```

```

|   |— Home.jsx
|   |— About.jsx
|   |— Projects.jsx
|   |— Contact.jsx
|   |— NotFound.jsx
|— routes/
|   |— AppRoutes.jsx
|— App.jsx
|— main.jsx

```

3. Useful Components List

Component	Purpose
Navbar	Navigation bar with links
Hero	Main landing section with name, title, CTA
About	Introduction, skills, tools
Projects	Cards with project name, stack, GitHub, live preview
SkillsGrid	Grid of icons or badges for tech stack
ContactForm	Form with inputs and submit (email or Netlify form)
Footer	Social links, copyright info
Button	Reusable button with animations
ProjectCard	For displaying each project with image, title, and link buttons

4. Routing File (src/routes/AppRoutes.jsx)

```

import { Routes, Route } from 'react-router-dom';
import Home from '../pages/Home';
import About from '../pages/About';
import Projects from '../pages/Projects';
import Contact from '../pages/Contact';
import NotFound from '../pages/NotFound';

const AppRoutes = () => {
  return (
    <Routes>
      <Route path="/" element={<Home />} />

```

```

    <Route path="/about" element={<About />} />
    <Route path="/projects" element={<Projects />} />
    <Route path="/contact" element={<Contact />} />
    <Route path="*" element={<NotFound />} />
  </Routes>
);
};

export default AppRoutes;

```

App.jsx

```

import { BrowserRouter as Router } from 'react-router-dom';
import AppRoutes from './routes/AppRoutes';
import Navbar from './components/Navbar';
import Footer from './components/Footer';

function App() {
  return (
    <Router>
      <div className="min-h-screen flex flex-col">
        <Navbar />
        <main className="flex-grow">
          <AppRoutes />
        </main>
        <Footer />
      </div>
    </Router>
  );
}

export default App;

```

5. Dark Mode Support

Tailwind Setup

In `tailwind.config.js`:

```
darkMode: 'class'
```

App.jsx with Theme State

```
import { useState, useEffect } from "react";
import AppRoutes from "../routes/AppRoutes";
import Navbar from "../components/Navbar";
import Footer from "../components/Footer";

function App() {
  const [darkMode, setDarkMode] = useState(() => {
    return localStorage.getItem("theme") === "dark";
  });

  useEffect(() => {
    if (darkMode) {
      document.documentElement.classList.add("dark");
      localStorage.setItem("theme", "dark");
    } else {
      document.documentElement.classList.remove("dark");
      localStorage.setItem("theme", "light");
    }
  }, [darkMode]);

  return (
    <div className="min-h-screen flex flex-col bg-white text-black dark:bg-gray-900 dark:text-white transition-colors duration-300">
      <Navbar toggleDarkMode={() => setDarkMode(!darkMode)}
darkMode={darkMode} />
      <main className="flex-grow">
        <AppRoutes />
      </main>
      <Footer />
    </div>
  );
}

export default App;
```

Navbar.jsx with Toggle Button

```
const Navbar = ({ toggleDarkMode, darkMode }) => {
  return (
    <nav className="flex justify-between items-center p-4 shadow-md dark:shadow-white">
      <h1 className="text-2xl font-bold">My Portfolio</h1>
      <button
        onClick={toggleDarkMode}
      >
```

```
        className="px-4 py-2 rounded-lg bg-gray-200 dark:bg-gray-700
        hover:scale-105 transition-transform"
        >
        {darkMode ? "☀ Light" : " 🌙 Dark"}
      </button>
    </nav>
  );
};

export default Navbar;
```

6. Bonus Features

- Responsive Design with Tailwind
- Dark Mode toggle with persistence
- Smooth transitions with `framer-motion`
- 🔍 SEO with `react-helmet`
- Lazy loading for images

Let me know if you'd like a downloadable ZIP template or PDF version!

pathWay.md file for vs code editor