# Product Requirements Document (PRD) – Personal Portfolio Website

## Project Overview

A modern, responsive personal portfolio website designed to showcase professional skills and projects. The website features a clean, professional design with dark/light theme support and a contact form for visitor inquiries.

## Phases & Feature Development

### Phase 1: Initial Setup (✅ Completed) – March 12, 2025

Core Website Structure:

- Responsive navigation bar with theme toggle

- Home page with hero section

- Projects showcase page

- About page with skills and experience sections

- Contact form with database storage

- Footer with social links

Design & UI Improvements:

- Professional and clean design

- Responsive layout for all screen sizes

- Dark/light theme support with persistent toggle

- Smooth animations and transitions using Framer Motion

- Consistent typography and spacing

Technical Features:

- Contact Form Database (PostgreSQL integration, API endpoint, validation with Zod)

- Component Library (Reusable UI components using shadcn/ui)

✅ Functional Status: Navigation, theme switching, contact form, responsive design, project showcase, and about page are implemented.

### Phase 2: Resume & Deployment

- Resume Section: Add a resume section with either a PDF viewer or embedded resume content.

- Deployment: Deploy the website on Replit and push the repo to GitHub.

- Projects Section Update: Display a 'Coming Soon' placeholder for project updates.

### Phase 3: Dynamic Project Uploads

- Project Management: Enable dynamic project uploads using JSON or database integration.

- Admin Content Control: Allow for adding/editing projects without modifying code.

- Project Filtering & Search: Implement search and filter functionality.

### Phase 4: Additional Enhancements

- Blog Section: Add a blog to share professional insights or tutorials.

- Testimonials Section: Include feedback from clients or recommendations.

- Newsletter Signup: Add an email capture form for networking updates.

- AI-Powered Resume Summary: Generate a brief bio based on the resume content.

- Custom 404 Page: Improve UX with a designed error page.

- Performance Optimization: Improve Lighthouse scores (speed, SEO, accessibility).

- Accessibility Features: Ensure ARIA labels, keyboard navigation, and screen-reader support.

## Technical Stack

Frontend: Next.js, React, Tailwind CSS, Framer Motion, shadcn/ui components, React Query, Zod

Backend: Express.js server, PostgreSQL database, Drizzle ORM, TypeScript

## Future Considerations

- Email Notifications: Set up email service for form submissions.

- Content Management System (CMS): Consider a headless CMS for better project/blog management.

- Website Analytics: Track visitor metrics and engagement with a dashboard.

## Notes

- The website is currently deployed on Replit.

- Database is provisioned and running.

- All core functionality is working as expected.

\_Last Updated: March 19, 2025\_