

Assignment: Build Your Interactive Portfolio with AI Persona

Overview

We're seeking creative and passionate candidates who can combine design thinking, technical depth, and AI innovation across the frontend, backend, and AI stack.

Your challenge is to build a modern, interactive personal portfolio website — something that feels unique, smooth, and truly you.

This shouldn't be just another static portfolio — it should demonstrate your ability to design, build APIs, and integrate AI to create an engaging, intelligent user experience.

 Bonus: Knowledge of AI Agents and their integration will be a strong plus.

Core Requirements

1 Modern Frontend (React or Next.js + Tailwind CSS)

Your portfolio should include the following sections:

- Hero Section: Eye-catching introduction with your name, role, and a clear CTA (e.g., "See My Work" or "Let's Connect").
- About Section: A short, well-written summary of your background, interests, and journey.
- Projects Section: Dynamically rendered project cards fetched from your backend API.
- Skills Section: Display your technical skills, tools, and technologies in a visually appealing layout.
- "Why Should You Hire Me?" Section: A 1–2 minute video introduction of yourself — showcasing your strengths, mindset, and what makes you a great hire.

Why this video?

We want to see your communication skills, confidence, and personality — not production quality. Speak clearly and express your passion for your craft.

2 Backend Integration

Build a lightweight backend using Node.js + Express (or any preferred framework) that:

- Provides an endpoint for projects and certifications data.
- Returns JSON dynamically fetched by your frontend.
- Demonstrates your understanding of routing, REST API fundamentals, and data handling.

3 AI Chatbot with Your Persona

Integrate a chat bubble (bottom-left) that opens into a chat window powered by AI.

The chatbot should:

- Represent your tone, style, and personality.
- Answer questions about your projects, background, skills, and interests.
- Be powered by OpenAI, Gemini, or any AI model you prefer.
- Maintain chat history and handle context effectively.

Why this section?

It shows your creativity and how well you can integrate AI meaningfully — not as a gimmick, but as an extension of your personality and coding ability.

Optional Add-ons (Bonus Points!)

Advanced AI Features

- AI Career Assistant Mode: Let users ask for resume advice, career tips, or project explanations.
- AI Resume Reviewer: Allow users to upload a resume and receive automated feedback.
- Context Memory: Chatbot remembers user names and previous conversations.
- Voice Input/Output: Add text-to-speech or microphone input for a conversational feel.
- Custom Prompt Modes: Let users switch between “Developer You”, “Designer You”, or “Mentor You”.
- Backend Integration: Enable your chatbot to pull real-time project data from your backend.
- AI Agents Integration (Bonus): Use AI agents for smart task handling or autonomous conversations.

UI / UX Enhancements

- Smooth micro-interactions and animations (Framer Motion, GSAP).
- Dark/Light mode toggle.
- Dynamic theme that adapts to time of day or user input.
- Parallax or 3D effects using Three.js or React Three Fiber.

Functional Extras

- Contact Form: Functional form that sends messages via backend or email API.
- Visitor Analytics or Counter.
- Admin Mode: Protected CRUD features for managing project data.



Evaluation Criteria

Criteria	Weight	Description
🎨 UI/UX Design	25%	Visual appeal, structure, and responsiveness
⚛️ Frontend Code Quality	25%	Component design, state management, scalability
⚙️ Backend Integration	20%	API design, data flow, and functionality
🤖 AI Integration (Chatbot)	20%	Creativity, stability, and feature depth
🎤 Presentation & Video	10%	Clarity, communication, and personal branding



Submission Guidelines

Once completed, please send your submission to info@tcconsultingservices.in with the subject line:

"[Your Name] – Interactive Portfolio Assignment"

Include the following:

- 🔗 Live Project Link (deployed on Vercel, Netlify, or similar)
- 🚧 Public GitHub Repository Link
- 📄 Updated Resume
- 📞 Contact Number or Email



Internship Details

- Duration: 4 Months
- Focus: Building AI-integrated, interactive web experiences
- Project Goal: Develop a platform for job seekers, combining design, backend, and AI integration.
- Ideal For: Beginners eager to enhance their full-stack and AI skills through hands-on learning.



Final Note

This is your chance to build something you're proud of — a portfolio that truly represents your creativity, skills, and growth mindset.

We're evaluating how you think, design, and bring ideas to life.

Make it memorable. Let your portfolio reflect your unique personality and potential.