

DESIGN DOCUMENT

Nishant's Homepage

1. PROJECT DESCRIPTION

Project Name:

Nishant Naravarajula Portfolio Website

Description:

A personal portfolio website built to showcase my technical skills, projects, and professional experience as a software developer. The website serves as a central hub for potential employers, recruiters, and collaborators to learn about my background and work.

Goals:

- Present professional experience and education
- Showcase technical projects with filtering capability
- Provide easy access to resume and contact information
- Demonstrate frontend development skills
- Create a unique, memorable user experience

Tech Stack:

- HTML5 - Structure and semantic markup
- CSS3 - Styling and animations
- JavaScript (ES6+) - Interactivity and dynamic features
- Bootstrap 5.3 - Responsive grid and components

Unique Features:

- Live Status Rotator - Dynamic messages that cycle every 3 seconds in the hero section, adding personality and showing current focus
- Project Filter - Interactive skill tags that filter projects by technology, helping users find relevant work quickly
- Interactive Terminal - AI-generated terminal simulator page where visitors can type commands to explore the portfolio in a unique way

2. USER PERSONAS

PERSONA 1: THE RECRUITER

Name:Sarah Chen

Age:34

Occupation:Technical Recruiter at a mid-size tech company

Location:Boston, MA

Background:

Sarah reviews 50+ portfolios weekly while sourcing candidates for software engineering roles. She has limited time and needs to quickly assess if a candidate meets basic requirements.

Goals:

- Quickly assess candidate's skills and experience level
- Find contact information easily
- Download or view resume without hassle
- Determine if candidate is worth forwarding to hiring manager

Frustrations:

- Slow-loading websites waste her time
- Hard to find basic information (skills, contact, resume)
- Portfolios that don't work on her phone
- No clear way to download resume

Tech Comfort Level: Moderate

Quote: "I need to know in 30 seconds if this person is worth a closer look."

PERSONA 2: THE HIRING MANAGER

Name:Michael Rodriguez

Age:42

Occupation:Engineering Manager at a software company

Location:San Francisco, CA

Background:

Michael leads a team of 8 developers and is actively hiring for backend positions. He reviews candidates forwarded by recruiters and makes final hiring decisions.

Goals:

- Evaluate technical depth and project complexity
- See actual code or detailed project descriptions
- Assess problem-solving approach
- Determine culture fit and communication skills

Frustrations:

- Generic portfolios with no substance
- Projects without technical details
- Can't verify claimed skills
- No evidence of real-world problem solving

Tech Comfort Level: High

Quote: "Show me what you've built and how you think, not just a list of buzzwords."

PERSONA 3: THE FELLOW DEVELOPER

Name: Priya Sharma

Age: 26

Occupation: Software Developer / Graduate Student

Location: New York, NY

Background:

Priya is a peer developer who discovered the portfolio through LinkedIn or GitHub. She's interested in networking, learning from others, and potentially collaborating on projects.

Goals:

- Explore interesting projects for inspiration
- Find GitHub links to see actual code
- Connect for networking opportunities
- Discover new technologies or approaches

Frustrations:

- Boring, template portfolios with no personality
- No links to actual code repositories
- No way to connect or collaborate
- Same generic design as everyone else

Tech Comfort Level: High

Quote: "I want to see something creative that shows who you really are as a developer."

3. USER STORIES

RECRUITER STORIES

User Story 1:

As a recruiter,

I want to quickly see the candidate's skills and experience on the homepage,
so that I can decide within 30 seconds if they match our job requirements.

Acceptance Criteria:

- Skills are visible without scrolling far
- Experience section shows company names and dates
- Education is clearly displayed
- Page loads in under 3 seconds

User Story 2:

As a recruiter,

I want to download or view the resume with one click,
so that I can save it to our applicant tracking system or share with managers.

Acceptance Criteria:

- Resume button is visible in navigation
- Option to view in browser (new tab)
- Option to download as PDF
- Works on mobile devices

User Story 3:

As a recruiter,

I want to find contact information easily,
so that I can reach out to schedule an interview.

Acceptance Criteria:

- Email, LinkedIn, and GitHub links are accessible
- Contact section is easy to find
- Links open correctly (email opens mail client, etc.)

HIRING MANAGER STORIES

User Story 4:

As a hiring manager,
I want to see detailed descriptions of technical projects,
so that I can evaluate the candidate's problem-solving abilities and technical depth.

Acceptance Criteria:

- Each project has a clear description
- Technologies used are listed
- Key achievements or metrics are highlighted
- Projects demonstrate relevant skills

User Story 5:

As a hiring manager,
I want to filter projects by technology,
so that I can quickly find experience relevant to our tech stack.

Acceptance Criteria:

- Filter buttons for different technologies
- Clicking a filter shows only matching projects
- "Show All" option to reset filters
- Filter state is visible (active button highlighted)

User Story 6:

As a hiring manager,
I want to understand the candidate's background and personality,
so that I can assess culture fit for our team.

Acceptance Criteria:

- About section provides personal context
- Writing style shows communication ability
- Unique elements show creativity
- Professional but personable tone

FELLOW DEVELOPER STORIES

User Story 7:

As a fellow developer,
I want to explore an interactive terminal feature,
so that I can have a unique and memorable experience while learning about the developer.

Acceptance Criteria:

- Terminal accepts typed commands
- Common commands work (help, about, skills, projects, contact)
- Visual design mimics real terminal
- Easter eggs add fun discoveries

User Story 8:

As a fellow developer,
I want to see the live status rotator,
so that I can see what the developer is currently working on or interested in.

Acceptance Criteria:

- Status messages change automatically
- Messages are relevant and show personality
- Transition is smooth
- Different messages on each visit

4. DESIGN DECISIONS

Color Scheme:

- Primary: #0d6efd (Blue) - Buttons, links, accents
- Background: #0a0a0a (Dark) - Modern, professional feel
- Text: #f8f9fa (Light) - High contrast for readability
- Secondary: #6c757d (Gray) - Muted text, borders

4. DESIGN MOCKUP

