Functional Requirements Specification (FRS)

Product Name: Anmol Portfolio Website

Version: 1.0

Prepared By: Anmol Shrivastava

Date: 30-12-2025

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1. Overview

The Anmol Portfolio Website is a personal professional web application developed to showcase academic background, skills, projects, experience, achievements, and contact information. The website acts as a digital resume and personal branding platform for recruiters, collaborators, and visitors.

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2. System Requirements

Supported Browsers

- Google Chrome
- Mozilla Firefox
- Microsoft Edge
- Safari

Supported Devices

- Desktop
- Laptop
- Tablet
- Mobile

Technical Requirements

- JavaScript enabled browser
- Active internet connection

3. Application Modules

The website consists of the following major modules:

1. Home Section
2. About Section
3. Skills Section
4. Projects Section
5. Experience Section
6. Contact Section
7. Navigation & Footer
8. 3D Model with Animation in About Section
9. Download Resume Module

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4. Functional Requirements

4.1 Home Section

ID	Requirement
FR-H-01	Website shall load successfully without errors.
FR-H-02	Homepage content shall display within 3 seconds.
FR-H-03	Website name/logo shall be visible on the homepage.
FR-H-04	Layout shall remain consistent across devices.

4.2 Navigation

ID	Requirement
FR-N-01	Navigation bar shall contain links to all major sections.
FR-N-02	Clicking navigation links shall scroll to the respective section.
FR-N-03	Navigation bar shall remain visible while scrolling.
FR-N-04	Active section shall be visually highlighted.

4.3 About Section

ID	Requirement
FR-A-01	About section shall display profile description is included in home section only.
FR-A-02	Content shall be readable on all screen sizes.

4.4 Skills Section

ID	Requirement
FR-S-01	Skills shall be displayed with proper categories.
FR-S-02	Skill icons and text shall load correctly.

4.5 Projects Section

ID	Requirement
FR-P-01	All projects shall display title and description.
FR-P-02	Clicking project links shall open correct demo or repository.
FR-P-03	Project images shall load properly.

4.6 Experience Section

ID	Requirement
FR-E-01	Experience section shall display roles and organizations.
FR-E-02	Experience entries shall be displayed chronologically.
FR-E-03	Each entry shall contain role, company, and duration.
FR-E-04	Section shall be responsive on all devices.

4.7 3D Model with Animation (About Section)

ID	Requirement
FR-3D-01	A 3D model shall be displayed in the About section.
FR-3D-02	3D animation shall load on page load.
FR-3D-03	Animation shall run smoothly without freezing.

ID	Requirement
FR-3D-04	3D content shall not block page interaction.
FR-3D-05	3D model shall scale correctly on all devices.
FR-3D-06	Website shall remain responsive while animation is running.

4.8 Download Resume Module

ID	Requirement
FR-DR-01	Download Resume button shall be visible.
FR-DR-02	Clicking the button shall download the resume file.
FR-DR-03	Resume file name shall be meaningful.
FR-DR-04	Download shall complete without errors.
FR-DR-05	Button shall work on desktop and mobile.

4.9 Contact Section

ID	Requirement
FR-C-01	Contact form shall accept Name, Email, and Message.
FR-C-02	Email field shall validate correct email format.
FR-C-03	Mandatory fields shall display error if empty.
FR-C-04	Successful submission shall show confirmation message.

4.10 Footer

ID	Requirement
FR-F-01	Footer shall display social media icons.
FR-F-02	Social links shall open correct external pages.

5. Non-Functional Requirements

Category	Requirement
Performance	Website shall load within 3 seconds.
Usability	UI shall be user-friendly and consistent.
Compatibility	Website shall function correctly on major browsers.
Responsiveness	Layout shall adapt to all screen sizes.
Security	Inputs shall not allow script injection.

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6. Assumptions & Constraints

- Users have an active internet connection.
- Users will use modern browsers.
- Website is informational and does not require authentication.