**SRS**

**Table of Contents**

1. **Introduction**
   1. Purpose
   2. Scope
   3. Definitions and Abbreviations
   4. Overview
2. **General Description**
   1. Product Perspective
   2. Product Function
   3. Hardware Interface
   4. Software Interface
   5. Communication Interface
   6. General Constraints
   7. Technologies used
3. **Specific Requirements**
   1. Functional Requirements
   2. Non-Functional Requirements
4. **Introduction**
   1. **Purpose**

The purpose of this document is to present a detailed description of our project. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it is intended for both the user and the developers of the system.

* 1. **Scope**

The portfolio website serves as a personal digital space to showcase skills, projects, and achievements. It provides an interactive platform for potential employers and collaborators to learn about the developer’s expertise and contact them easily.

* 1. **Abbreviations and Definition**
* **HTML**: Hypertext Markup Language
* **CSS**: Cascading Style Sheets
* **JS**: JavaScript
* **EmailJS**: Third-party service for handling emails via JavaScript

**1.4 Overview**

This document outlines the functional and non-functional requirements of the portfolio website. It describes the system’s structure, user characteristics, constraints, and technology stack.

1. **Overall Description**
   1. **Product Perspective**

**2.1.1 Product function**

The website provides an interactive interface where visitors can explore the developer’s background, skills, and projects. The contact form allows users to send messages, which are handled via EmailJS.

* + 1. **Hardware Interface**

**Client side:**

Processor: Pentium P2 onwards

RAM: 256Mb or more

Hard disk: 128Mb or more

* + 1. **Software Interface**

**Client side:**

Operating system: Any OS system compatible

Browser: Any browser compatible with IE 5.0 or onwards

* + 1. **Communication Interface**

HTTP, HTTPS, TCP/IP, localhost

* 1. **General Constraints**
* 24/7 hours available.
  1. **Technologies used**

Frontend: HTML, CSS, JavaScript , FontAwesome(for icons)

Backend: EmailJS

1. **Specific Requirements**
   1. **Functional –requirements**

**Modules from the user side:-**

1. Portfolio display: Users can navigate through About Me, Skills, Projects, and Contact sections.
2. Contact form: Users can submit a contact form that will be handled via EmailJS.
3. Social Media Links: Users can access external social profiles linked on the website.
   1. **Non-Functional Requirements**
4. Availability: Ensure that the system is accessible 24/7, with minimal downtime for maintenance activities. Implement redundant systems and failover mechanisms to maximize uptime and availability.
5. Reliability: Regularly perform data backups and implement disaster recovery procedures to ensure the website functions consistently across devices and browsers.
6. Security: Define authentication and authorization mechanisms to control access to sensitive functionalities.
7. Maintainability: Adhere to modular coding practices and design principles to facilitate future enhancements, updates, and bug fixes. Document codebases thoroughly and provide comprehensive developer documentation to assist with maintenance tasks.
8. Top of Form

.