Design Document for CS5610 - Project1

1. Project Description

Overview

A professional portfolio website designed to showcase my technical expertise, professional journey, and academic achievements. The website serves as a digital resume and personal brand platform.

Purpose

- Present professional experience and technical skills to potential employers and collaborators
- Showcase project portfolio and technical competencies
- Provide accessible contact methods for networking and opportunities
- Demonstrate web development skills through the website itself

Key Features

- Animated starfield landing page with constellation effects
- Interactive timeline showing education, work experience, and projects
- Comprehensive skills showcase organized by categories

Technical Stack

- **Frontend**: HTML5, CSS3, JavaScript (Vanilla)
- **Frameworks**: Bootstrap 5.3.0
- **Fonts**: Google Fonts
- **Icons**: Font Awesome 6.0.0
- **Hosting**: GitHub Pages

2. User Personas

Persona 1: Tech Recruiter

Goals:

- Quickly assess candidate's technical skills and experience
- Find candidates with specific technology expertise
- Access contact information and resume efficiently

Pain Points:

- Limited time to review each portfolio
- Difficulty finding specific skill information
- Unclear career progression timelines

Needs:

- Clear navigation and information hierarchy
- Downloadable resume option
- Direct contact methods

Persona 2: Academic Collaborator

Goals:

- Find potential research collaborators
- Assess academic background and interests
- Identify shared research areas

Pain Points:

- Difficulty finding academic credentials
- Unclear research interests
- Missing publication or project details

Needs:

- Educational background prominence
- Clear academic trajectory
- Professional communication channels

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3. User Stories

The Recruiter

Story 1: As a recruiter I have a large number of portfolios to review before the end of the day, I need a quick view of the skills and technologies the applicants are familiar with.
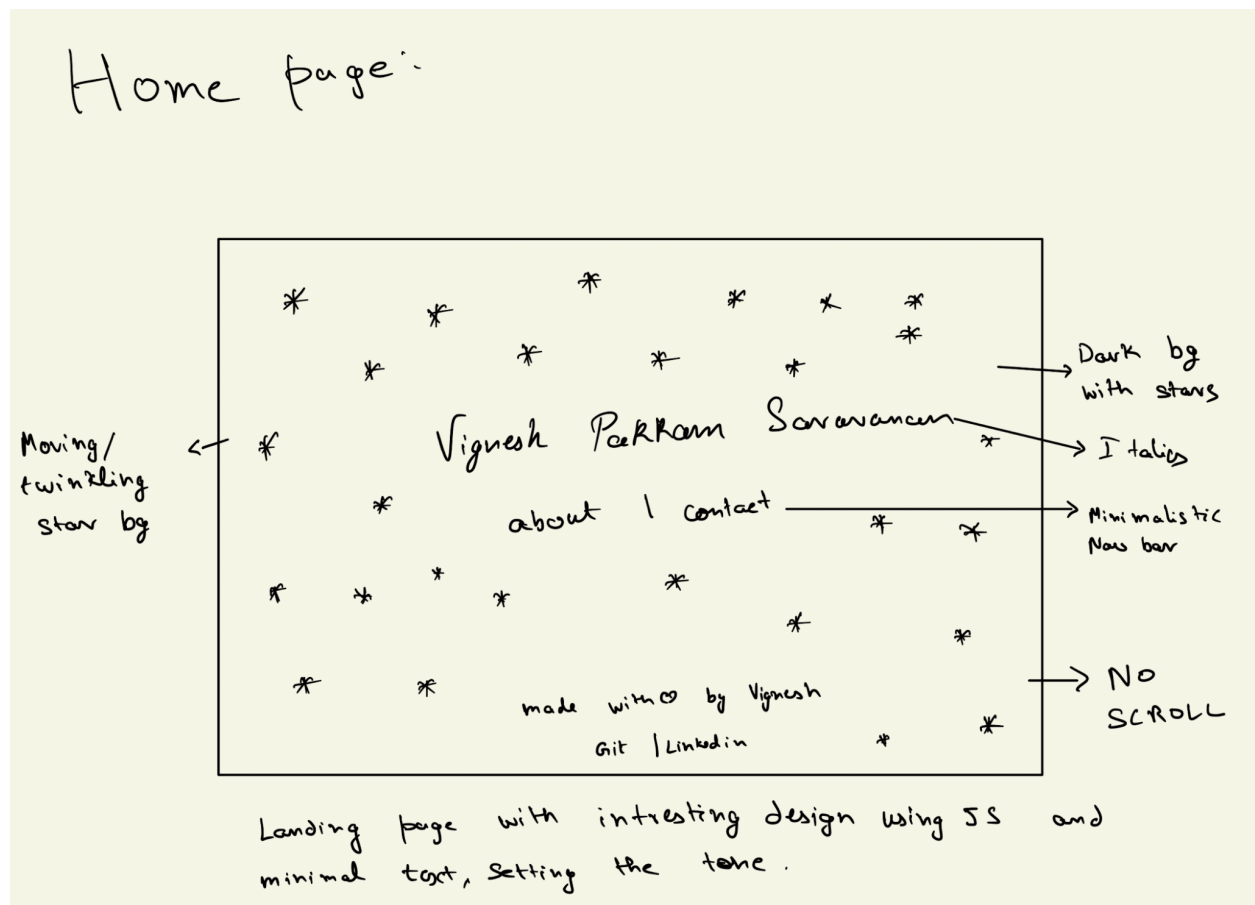
Story 2: I need a clear picture of the timeline and identify any gaps in the timeline easily. I need access to their resume so I can have it on the record for potential candidates.
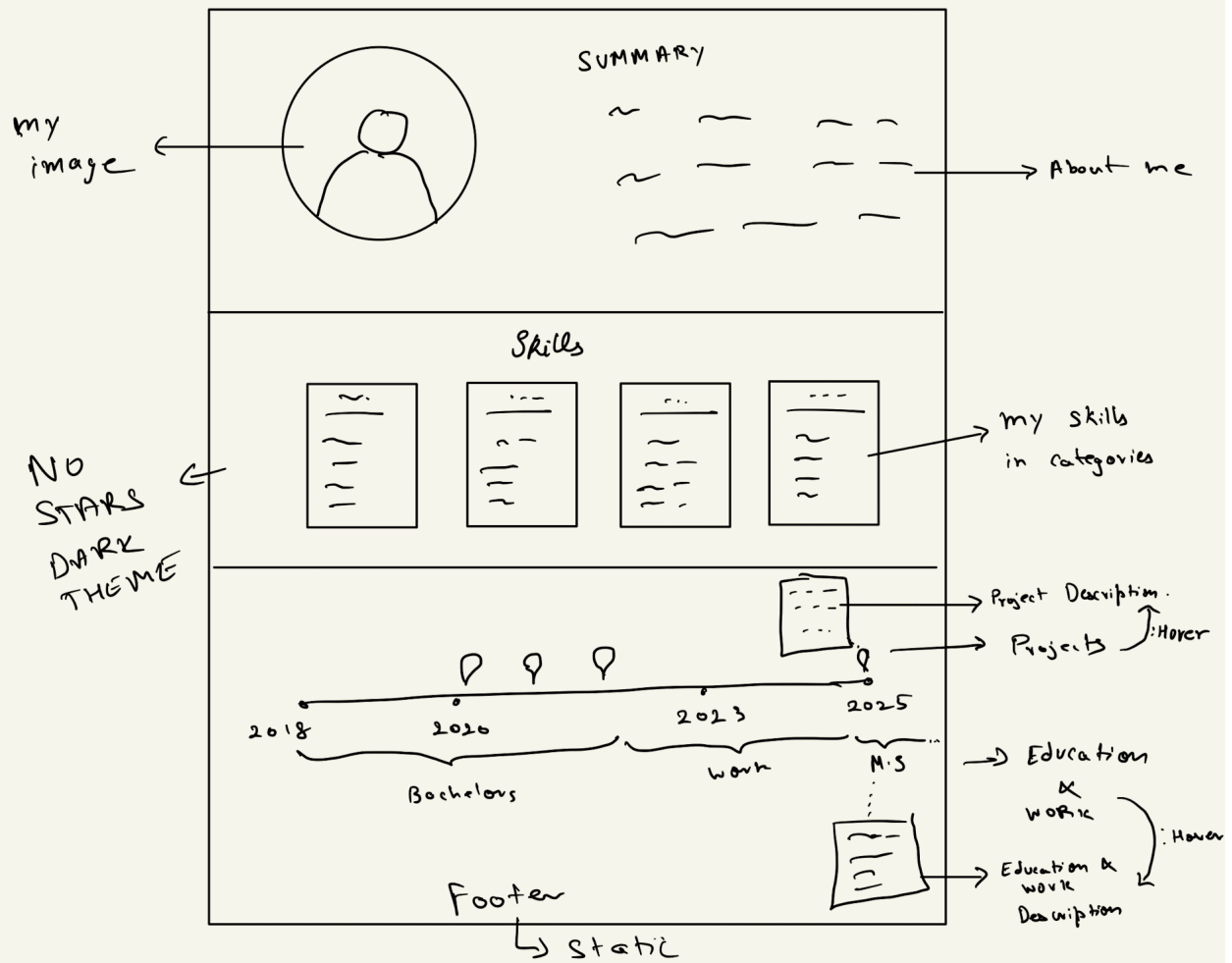
Academic research collaborator

Story 1: I need to be able to view their projects easily and know what tech stacks they have used so I can know if their interest aligns with my research idea.

Story 2: I need to get their contact information easily without much hassle and explore their linkedIn or GitHub easily if I wish so.

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4. Design Mockups

Home page.

Moving/
twinkling
star bg

Vignesh Pakkam Saravanan

about | contact

made with 💙 by Vignesh

Git | Linkedin

Dark bg
with stars

I talics

Minimalistic
Nav bar

No
SCROLL

Landing page with intresting design using JS and minimal text, setting the tone.

About Page:

SUMMARY

my
image →

→ About me

Skills

NO
STARS
DARK
THEME

→ my skills
in categories

→ Project Description.

→ Projects ⌐ : Hover

2018   2020   2023   2025

Bachelors   work   M.S

→ Education
&
WORK
⌐ : Hover

→ Education &
work
Description

Footer
↳ Static

Contact Info:

Get in Touch

No
STARS

DARK
THEME

MY INFO

mail _ _ _ _

Phone _ _ _ _

Location _ _ _ _ _

Git | Linked in

↓ Resume

Message me

name

email

TYPE

BODY

↗ Send

Footer