



COLLEGE CODE: 9111

COLLEGE NAME: SRM MADURAI

DEPARTMENT: B.E.CSE 3RD YEAR

STUDENT NM-ID:

70dce9f2f20d79e9ba24630db9eab6ab

f98e24c41131947bf1448d94d60586c0

6a524ed8299c3188fe440fbd006889e8

e66ee7a9fdeac53a4a9408959cd37f7b

599943f7508888684994d0e4c72ce874

ROLL NO: 911123104009

911123104050

911123104023

911123104304

911123104013

DATE: 06/10/2025

Completed the project named as Phase 5 - Project Demonstration & Documentation

TECHNOLOGY PROJECT NAME: Portfolio Websites

SUBMITTED BY:

B.GOKULA GAURAV 6381360697

S.V.KARTHIVEL 7708803515

K.R.J.SREE KANTH 9944895465

R.V.SIVAPPRASATH 9488215506

K.GOWTHAM 8248027257

1. Final Demo Walkthrough

Content:

The final demo walkthrough showcases the complete working of the portfolio website. It demonstrates all major sections (Home, About, Projects, Skills, Contact) along with smooth navigation and responsive design.

Key Points:

- Navigation through sections using smooth scroll.
- Interactive UI with animations and hover effects.
- Responsive design for mobile and desktop.
- Contact form submission (if applicable).

Sample HTML & JS for Smooth Scroll Navigation:

```
<!-- Navigation Bar -->
```

```
<nav>
```

```
<ul>
```

```
<li><a href="#home">Home</a></li>
```

```
<li><a href="#projects">Projects</a></li>
```

```
<li><a href="#contact">Contact</a></li>
```

```
</ul>
```

```
</nav>
```

```
<!-- Smooth Scroll Script -->
```

```
<script>
```

```
document.querySelectorAll('a[href^="#"]').forEach(anchor => {  
  anchor.addEventListener("click", function(e) {
```

```
e.preventDefault();  
document.querySelector(this.getAttribute("href")).scrollIntoView({  
  behavior: "smooth"  
});  
});  
});  
</script>
```

2. Project Report

Content:

This report details the purpose, development process, and technologies used in the portfolio website.

Structure:

- **Objective:** To create a responsive and interactive personal portfolio website.
- **Tech Stack:** HTML5, CSS3, JavaScript, and optional frameworks like React or Bootstrap.
- **Features:**
 - Personal introduction and skills section
 - Project gallery with descriptions
 - Contact form integration
 - Deployment on Netlify or Vercel
- **Expected Outcome:** A live, accessible online resume that demonstrates your skills and personality.

3. Screenshots / API Documentation

Content:

Add screenshots of different sections of your portfolio or API endpoints if used.

Example Screenshots to Include:

- Home page banner
- About section
- Projects grid
- Contact form
- Mobile view (responsive check)

// Example: Contact Form API Integration

```
async function sendMessage() {  
  const formData = {  
    name: document.getElementById('name').value,  
    email: document.getElementById('email').value,  
    message: document.getElementById('message').value  
  };  
  
  const response = await fetch('https://your-backend-api/contact', {  
    method: 'POST',  
    headers: {'Content-Type': 'application/json'},  
    body: JSON.stringify(formData)  
  });  
};
```

```
if (response.ok) alert("Message sent successfully!");  
}
```

4. Challenges & Solutions

Challenge	Solution
Ensuring responsive design for all screen sizes	Used CSS Flexbox and Media Queries for layout adjustments
Optimizing images for faster load	Compressed images using TinyPNG and implemented lazy loading
Deploying the site with environment variables	Used Netlify environment configuration for API keys
Maintaining smooth scroll without lag	Implemented throttled scroll event handlers and CSS animations

5. GitHub README & Setup Guide

GitHub Repository links:

B.Gokula Gaurav - <https://github.com/GokulaGaurav/NAAN-MUDHALVAN-projects.git>

R.V.Sivapparasath - <https://github.com/sivapparasath/NAAN-MUDHALVAN-projects.git>

S.V.Karthivel - <https://github.com/karthivel123/Naan-Mudhalvan-Projects.git>

K.R.J.Sreekanth - <https://github.com/Sreekanth30196/Naan-Mudhalvan-Projects.git>

K.Gowtham - <https://github.com/gowthxx-1/Naan-Mudhalvan-Projects.git>

6. Final Submission (Repo + Deployed Link)

Demo Video link:

<https://drive.google.com/file/d/1wZMQhz8nVgVQLaT09nV322BvnLLY5cwp/view?usp=sharing>