PORTFOLIO WEBSITE:

A \*personal portfolio website\* built using \*ReactJS, HTML, CSS, and JavaScript\* to showcase my skills, projects, education, and achievements as a \*Web Developer\*.

The portfolio is fully responsive, interactive, and deployed online using \*GitHub Pages / Netlify\*.

PROJECT OVERVIEW:

The goal of this project is to design and develop a professional online portfolio that highlights:

- My \*technical skills\* and \*tools\*.

- A collection of \*projects\* with live demos.

- \*Contact options\* for collaboration or job opportunities.

This portfolio serves as an \*online resume\* and personal branding platform.

OBJECTIVE:

To create a responsive, user-friendly portfolio that:

- Represents my professional profile and achievements.

- Demonstrates my front-end development skills.

- Provides a central place for showcasing my projects and expertise.

TECH STACK:

| Category | Technologies |

|-----------|---------------|

| \*Frontend\* | ReactJS, HTML5, CSS3, JavaScript |

| \*Styling\* | Tailwind CSS / Bootstrap |

| \*Version Control\* | Git & GitHub |

| \*Deployment\* | GitHub Pages / Netlify |

| \*Editor\* | Visual Studio Code |

| \*Optional Tools\* | EmailJS, Firebase, React Scroll |

FOLDER STRUCTURE:

portfolio-website/

│

├── public/

│ ├── index.html

│ └── favicon.ico

│

├── src/

│ ├── components/

│ │ ├── Home.js

│ │ ├── About.js

│ │ ├── Projects.js

│ │ ├── Skills.js

│ │ ├── Contact.js

│ ├── App.js

│ ├── App.css

│ ├── index.js

│

├── package.json

└── README.md

markdown

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FEATURES:

- \*Home Section\* – Short intro with name and title.

- \*About Section\* – Education, interests, and bio.

- \*Projects Section\* – Dynamic project cards with images and links.

- \*Skills Section\* – Technical and soft skills displayed with icons.

- \*Contact Section\* – Interactive contact form using \*EmailJS\* or \*Firebase\*.

- \*Responsive Design\* – Works smoothly across all devices.

- \*Animations & UI Enhancements\* – Clean layout, hover effects, and transitions.

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INSTALLATION & SETUP:

1. \*Clone this repository\*

```bash

Navigate to the project folder

bash

Copy code

cd portfolio-website

Install dependencies

bash

Copy code

npm install

Run the project locally

bash

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npm start

Build the project for deployment

bash

Copy code

npm run build

Deployment

GitHub Pages

Add "homepage" field in package.json:

json

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Deploy using:

bash

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npm run deploy

Netlify

Go to Netlify.

Import your GitHub repository.

CONFIGURE BUILD SETTINGS:

yaml

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Build Command: npm run build

Publish Directory: build

Deploy your site — done!

Enhancements & Future Scope

Add backend integration for form storage.

Add dark/light theme toggle.

Add blog or case study section.

Include testimonials and client feedback.

Improve SEO optimization.

Optimize load time and performance.Performance & Security Checks

HTTPS & SSL encryption enabled

Input validation for forms

Responsive across all devices

Performance tested via GTmetrix and Google PageSpeed

Regular updates and dependency maintenance

Learning Outcomes

Learned component-based design in ReactJS

Gained hands-on experience in deployment using GitHub Pages & Netlify.

Improved understanding of responsive UI, animations, and API integration.

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GitHub: [https://github.com/Malaiarasim](https://github.com/Malaiarasim5)

Live Demo

Visit My Portfolio

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