

Exp1

Index.js:

```
import React from "react";
import ReactDOM from "react-dom/client";
function App() {
  const sayHello = () => { alert("Hello"); }; return (
    Hello World
  );
const root = ReactDOM.createRoot(document.getElementById("root"));
root.render();
```

App.css:

```
.AppContainer {
  position: relative;
  height: 100vh;
  background-color: #282c34;
  overflow: hidden;
  text-align: center;
  padding-top: 50px;
}
.moving-text {
  position: absolute;
  top: 50%;
  left: 0;
  transform: translateY(-50%);
  font-size: 3rem;
  font-weight: bold;
  color: #61dafb;
  white-space: nowrap;
  animation: moveRight 20s linear infinite;
}
@keyframes moveRight {
  0% { left: 0; }
  100% { left: calc(100% - 200px); }
}
```

Exp2

Index.html:

```
<!doctype html>
<html lang="en" class="scroll-smooth">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta name="theme-color" content="#4f46e5" />
    <title>Portfolio</title>
  </head>
  <body class="bg-white text-gray-900 dark:bg-neutral-950 dark:text-neutral-100">
    <div id="root"></div>
    <script type="module" src="/src/main.jsx"></script>
  </body>
</html>
```

src/main.jsx:

```
import React from 'react'
import { createRoot } from 'react-dom/client'
import App from './App.jsx'
import './index.css'
createRoot(document.getElementById('root')).render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
)
```

src/index.css:

```
@tailwind base;
@tailwind components;
@tailwind utilities;
:root {
  --nav-height: 64px;
}
section {
  scroll-margin-top: var(--nav-height);
```

src/App.jsx:

```
import React from 'react'
import Navbar from './components/Navbar.jsx'
import Home from './sections/Home.jsx'
import About from './sections/About.jsx'
import Projects from './sections/Projects.jsx'
import Skills from './sections/Skills.jsx'
import Certificates from './sections/Certificates.jsx'
import Contact from './sections/Contact.jsx'
export default function App() {
  return (
    <>
      <Navbar />
      <main className="pt-16">
        <Home />
        <About />
        <Projects />
        <Skills />
        <Certificates />
        <Contact />
      </main>
    </> )
}
```

src/sections/Home.jsx:

```
import React from 'react'
import { motion } from 'framer-motion'
import { FaGithub, FaLinkedin } from 'react-icons/fa'
export default function Home() {
  return (
    <section id="home" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto">
      <motion.h1
        initial={{ opacity: 0, y: 20 }}
        whileInView={{ opacity: 1, y: 0 }}
        transition={{ duration: 0.6 }}
        className="text-4xl md:text-5xl font-extrabold leading-tight" >
        Hi, I'm <span className="text-indigo-600 dark:text-indigo-400">Nathisha M</span> 
      </motion.h1>
      <p className="mt-4 text-lg text-gray-700 dark:text-neutral-300 max-w-2xl">
        Aspiring developer passionate about building fast, accessible web apps.
      </p>
      <div className="mt-6 flex gap-4">
        <a href="https://github.com/Nithishka25" target="_blank" rel="noreferrer" className="inline-flex items-center gap-2 px-4 py-2 border rounded-lg hover:bg-indigo-50 dark:hover:bg-neutral-800">
          <FaGithub /> GitHub
        </a>
        <a href="https://linkedin.com/in/nithishkatk25" target="_blank" rel="noreferrer" className="inline-flex items-center gap-2 px-4 py-2 border rounded-lg hover:bg-indigo-50 dark:hover:bg-neutral-800">
          <FaLinkedin /> LinkedIn
        </a>
        <a href="#projects" className="inline-flex items-center gap-2 px-4 py-2 bg-indigo-600 text-white rounded-lg hover:bg-indigo-700">View Projects</a>
      </div>
    </section> )
  )
}
```

src/sections/About.jsx:

```
import React from 'react'
import { motion } from 'framer-motion'
export default function About() {
  return (
    <section id="about" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto">
      <motion.h2 className="text-3xl font-bold mb-6 text-indigo-600 dark:text-indigo-400"
        initial={{ opacity: 0, y: 30 }} whileInView={{ opacity: 1, y: 0 }} transition={{ duration: 0.5 }}>
        About Me
      </motion.h2>
      <p className="text-gray-700 dark:text-neutral-300 leading-relaxed">
        I am a dedicated IT graduate with a strong interest in web development, AI, and scalable systems.
        I enjoy learning new technologies and applying them to solve real-world problems. I value clean code, great UX, and performance.
      </p>
    </section> )
  )
}
```

src/sections/Projects.jsx:

```
import React from 'react'
import { motion } from 'framer-motion'
const projects = [
  {
    title: "The Contact Manager",
    description:
      "The Contact Manager is a simple web-based application that allows users to add, view, and search contact information. Each contact includes a name, phone number, image and email address. The data is stored locally using the browser's LocalStorage, so it persists even after refreshing the page.",
    github: "https://github.com/Nithishka25/Projects.git",
    live: "#",
  },
]
```

```

title: "Countdown timer",
description:
  "Built a simple countdown timer similar to stopwatch allowing users to start,pause and reset the timer.Implemented a user friendly interface,enhancing real-time event handling and UI responsiveness ",
github: "https://github.com/Nithishka25/Projects.git",
live: "#",
}, {
title: "Calculator",
description:
  "The Calculator is a simple web application that allows users to perform basic arithmetic operations like addition, subtraction, multiplication, and division. It features a responsive interface with clickable buttons, and all calculations are handled using JavaScript. ",
github: "https://github.com/Nithishka25/Projects.git",
live: "#", }];
export default function Projects() {
return (
<section id="projects" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto">
  <h2 className="text-3xl font-bold mb-6 text-indigo-600 dark:text-indigo-400">Projects</h2>
  <div className="grid md:grid-cols-3 gap-6">
    {projects.map((p, idx) => (
      <motion.article key={p.title}>
        initial={{ opacity:0, y:20 }} whileInView={{ opacity:1, y:0 }} transition={{ duration:0.4, delay: idx*0.1 }}
        className="p-5 border rounded-2xl shadow-sm hover:shadow-md dark:border-neutral-800">
          <h3 className="text-xl font-semibold mb-2">{p.title}</h3>
          <p className="text-gray-600 dark:text-neutral-300 mb-3">{p.description}</p>
          <div className="flex gap-4">
            <a href={p.github} className="text-indigo-600 hover:underline" target="_blank"
              rel="noreferrer">GitHub</a>
            {p.live !== '#' && <a href={p.live} className="text-indigo-600 hover:underline" target="_blank"
              rel="noreferrer">Live</a>}
          </div>
        </motion.article> ))
    </div>
  </section> )
}

```

Src/sections/Skills.jsx:

```

import React from 'react'
const skills = ['React','Node.js','MongoDB','Docker','Java','Python','Tailwind','Spark']
export default function Skills() {
  return (
    <section id="skills" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto">
      <h2 className="text-3xl font-bold mb-6 text-indigo-600 dark:text-indigo-400">Skills</h2>
      <div className="grid grid-cols-2 md:grid-cols-4 gap-4">
        {skills.map(s => (
          <div key={s} className="bg-indigo-50 dark:bg-neutral-800/60 p-3 rounded-lg text-center font-medium">
            {s}
          </div> )))
      </div>
    </section> )
}

```

Src/sections/Certificates.jsx:

```

import React from "react";
const certificates = [
  { name: "Introduction to Agile Methodology", link: "/cc.pdf", },
  { name: "Intern", link: "/intern.pdf" },
];
export default function Certificates() {
  return (
    <section
      id="certificates"
      className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto"
    >

```

```

<h2 className="text-3xl font-bold mb-6 text-indigo-600 dark:text-indigo-400">
  Certificates
</h2>
<ul className="list-disc ml-6 text-gray-700 dark:text-neutral-300 space-y-2">
  {certificates.map((c) => (
    <li key={c.name}>
      <a
        href={c.link}
        target="_blank"
        rel="noopener"
        className="text-indigo-600 hover:underline"
      >
        {c.name}
      </a>
    </li>
  )))
</ul>
</section>
);

```

Src/sections/Contact.jsx:

```

import React, { useState } from "react";
export default function Contact() {
  const [form, setForm] = useState({ name: "", email: "", message: "" });
  const [error, setError] = useState("");
  const handleChange = (e) =>
    setForm({ ...form, [e.target.name]: e.target.value });
  const isValidEmail = (email) => {
    const regex = /^[^s@]+@[^\s@]+\.[^\s@]+$/;
    return regex.test(email);
  };
  const handleSubmit = (e) => {
    e.preventDefault();
    if (!isValidEmail(form.email)) {
      setError("Please enter a valid email address.");
      return;
    }
    setError("");
    const mailto =
      `mailto:your.email@example.com?subject=Portfolio%20Contact%20from%20${encodeURIComponent(
        form.name
      )}&body=${encodeURIComponent(form.message)}%0A%0AReply%20to:%20${encodeURIComponent(
        form.email
      )}`;
    window.location.href = mailto;
    setForm({ name: "", email: "", message: "" });
  };
  return (
    <div id="contact">
      <section className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto">
        <h2 className="text-3xl font-bold mb-10 text-indigo-600 dark:text-indigo-400">
          Contact Me
        </h2>
        <div className="grid grid-cols-1 md:grid-cols-2 gap-20">
          <form onSubmit={handleSubmit} className="space-y-4">
            <input name="name" value={form.name} onChange={handleChange} type="text" placeholder="Your Name" className="w-full p-3 border rounded-lg dark:bg-neutral-900 dark:border-neutral-800" required />
            <input name="email" value={form.email} onChange={handleChange} type="email" placeholder="Your Email" className="w-full p-3 border rounded-lg dark:bg-neutral-900 dark:border-neutral-800" required />
            {error && <p className="text-red-600">{error}</p>}
            <textarea name="message" value={form.message} onChange={handleChange} placeholder="Your Message" rows="4" className="w-full p-3 border rounded-lg dark:bg-neutral-900 dark:border-neutral-800" required ></textarea>
          </form>
        </div>
      </section>
    </div>
  );
}

```

```

<button className="bg-indigo-600 text-white px-6 py-2 rounded-lg hover:bg-indigo-700 transition" type="submit" >
  Send
</button>
</form>
<div className="flex flex-col gap-2 justify-center text-left">
  <p className="text-2xl font-bold text-indigo-600 dark:text-indigo-400">
    My Contact
  </p>
  <p className="text-lg text-gray-700 dark:text-neutral-300">
    <strong>Email:</strong> nithi2025@gmail.com
  </p>
  <p className="text-lg text-gray-700 dark:text-neutral-300">
    <strong>Contact:</strong> 9999999999
  </p>
</div>
</div>
</section>
</div>
);

```

Src/components/Navbar.jsx:

```

import React, { useEffect, useState } from 'react'
import { FaMoon, FaSun } from 'react-icons/fa'
const links = ['Home', 'About', 'Projects', 'Skills', 'Certificates', 'Contact']
export default function Navbar() {
  const [open, setOpen] = useState(false)
  const [dark, setDark] = useState(false)
  useEffect(() => {
    const stored = localStorage.getItem('theme')
    if (stored === 'dark') {
      document.documentElement.classList.add('dark')
      setDark(true)
    }
  }, [])
  useEffect(() => {
    if (dark) {
      document.documentElement.classList.add('dark')
      localStorage.setItem('theme', 'dark')
    } else {
      document.documentElement.classList.remove('dark')
      localStorage.setItem('theme', 'light')
    }
  }, [dark])
  return (
    <nav className="fixed top-0 left-0 w-full bg-white/80 dark:bg-neutral-900/70 backdrop-blur shadow z-50">
      <div className="max-w-6xl mx-auto px-4 py-3 flex items-center justify-between">
        <a href="#home" className="text-2xl font-bold text-indigo-600 dark:text-indigo-400">MyPortfolio</a>
        <button className="md:hidden p-2 rounded-lg border" onClick={() => setOpen(v=>!v)} aria-label="Toggle Menu">≡</button>
        <ul className="hidden md:flex items-center gap-6 font-medium">
          {links.map(item => (
            <li key={item}>
              <a href={`#${item.toLowerCase()}`} className="hover:text-indigo-600 dark:hover:text-indigo-400">{item}</a>
            </li> ))
        <li>
          <button
            onClick={() => setDark(d => !d)}
            className="p-2 rounded-lg border hover:bg-indigo-50 dark:hover:bg-neutral-800"
            aria-label="Toggle Theme" > {dark ? <FaSun /> : <FaMoon />}
          </button>
        </li>
      </ul>
    </div>
  )
}

```

```
</ul>
</div>
{open && (
  <div className="md:hidden px-4 pb-4">
    <ul className="flex flex-col gap-3">
      {links.map(item => (
        <li key={item}>
          <a href={'#${item.toLowerCase()}'`} onClick={()=>setOpen(false)} className="block py-2 border-b">
            {item}</a>
          </li> ))}
        <li>
          <button onClick={() => setDark(d => !d)} className="mt-2 w-full p-2 rounded-lg border" aria-label="Toggle
            Theme" >{dark ? 'Light Mode' : 'Dark Mode'} </button>
        </li>
      </ul>
    </div>
  )}
</nav>
)}
```

Exp3

Index.html:

```
<!doctype html>
<html lang='en'>
<head>
  <meta charset='utf-8'/>
  <meta name='viewport' content='width=device-width, initial-scale=1' />
  <title>Portfolio</title>
</head>
<body>
  <div id='root'></div>
  <script type='module' src='/src/main.jsx'></script>
</body>
</html>
```

src/main.jsx:

```
import React from 'react';
import { createRoot } from 'react-dom/client';
import App from './App.jsx';
import './index.css';
createRoot(document.getElementById('root')).render(
<React.StrictMode><App/>
</React.StrictMode>
);
```

src/App.jsx:

```
import Navbar from './components/Navbar.jsx';
import Home from './sections/Home.jsx';
import About from './sections/About.jsx';
import Projects from './sections/Projects.jsx';
import Skills from './sections/Skills.jsx';
import Certificates from './sections/Certificates.jsx';
import Contact from './sections/Contact.jsx';
export default function App() {
  <>
  <Navbar/>
  <main className='pt-16'>
    <Home/><About/><Projects/><Skills/><Certificates/><Contact/>
  </main>
</>)
```

src/sections/Home.jsx:

```
import React from "react";
import { motion } from "framer-motion";
import { FaGithub, FaLinkedin } from "react-icons/fa";
export default function Home() {
  return (
    <section id="home" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto" >
      <motion.h1 initial={{ opacity: 0, y: 20 }} whileInView={{ opacity: 1, y: 0 }} transition={{ duration: 0.6 }}>
        <span>Hi, I'm{" "}</span>
        <span>Nathisha M</span>
      </motion.h1>
      <p>Aspiring developer passionate about building fast, accessible web apps.</p>
    
```

```

<div className="mt-6 flex gap-4">
  <a href="https://github.com/Nithishka25" target="_blank" rel="noreferrer" className="inline-flex items-center gap-2 px-4 py-2 border rounded-lg hover:bg-indigo-50 dark:hover:bg-neutral-800" >
    <FaGithub /> GitHub
  </a>
  <a href="https://linkedin.com/in/nithishkatk25" target="_blank" rel="noreferrer" className="inline-flex items-center gap-2 px-4 py-2 border rounded-lg hover:bg-indigo-50 dark:hover:bg-neutral-800" >
    <FaLinkedin /> LinkedIn
  </a>
  <a href="#projects" className="inline-flex items-center gap-2 px-4 py-2 bg-indigo-600 text-white rounded-lg hover:bg-indigo-700" >View Projects</a>
</div>
</section>
);

```

Src/sections/About.jsx:

```

import React from "react";
import { motion } from "framer-motion";
export default function About() {
  return (
    <section id="about" className="min-h-screen flex flex-col justify-center px-6 py-20 max-w-6xl mx-auto" >
      <motion.h2
        className="text-3xl font-bold mb-6 text-indigo-600 dark:text-indigo-400"
        initial={{ opacity: 0, y: 30 }}>
        whileInView={{ opacity: 1, y: 0 }}
        transition={{ duration: 0.5 }}>
          About Me
      </motion.h2>
      <p className="text-black leading-relaxed">
        I am a dedicated IT graduate with a strong interest in web development, AI, and scalable systems. I enjoy learning new technologies and applying them to solve real-world problems. I value clean code, great UX, and performance.
      </p>
    </section>
);

```

Src/sections/Projects.jsx:

```

import React, { useEffect, useState } from "react";
export default function Projects() {
  const [projects, setProjects] = useState([]);
  useEffect(() => {
    fetch("http://localhost:5000/api/projects")
      .then((res) => res.json())
      .then((data) => setProjects(data))
      .catch((err) => console.error(err));
  }, []);
  return (
    <section id="projects" className="min-h-screen px-6 py-20">
      <h2 className="text-3xl font-bold mb-6 text-indigo-600">Projects</h2>
      {projects.length === 0 ? (
        <p>No projects available.</p>
      ) : (
        <div className="grid md:grid-cols-2 gap-6">
          {projects.map((p) => (
            <div
              key={p._id}
              className="p-4 border rounded shadow hover:shadow-md transition"
            >
              <h3 className="font-bold text-xl">
                {p.title || "Untitled Project"}
              </h3>
              <p className="mt-2">

```

```

{p.description || "No description provided."}
</p>
<p className="text-sm text-gray-600 mt-2">
  Tech:{" "}
  {Array.isArray(p.techStack) ? p.techStack.join(", ") : "N/A"}
</p>
{p.link && (
  <a
    href={p.link}
    target="_blank"
    rel="noopener noreferrer"
    className="text-indigo-600 hover:underline mt-2 inline-block"
  >
    View Project
  </a>
)}
</div>
))}</div>
)</section>
);
}

```

Src/sections/Skills.jsx:

```

import React, { useEffect, useState } from "react";
export default function Skills() {
  const [skills, setSkills] = useState([]);
  useEffect(() => {
    fetch("http://localhost:5000/api/skills")
      .then((res) => res.json())
      .then((data) => setSkills(data))
      .catch((err) => console.error(err));
  }, []);
  return (
    <section id="skills" className="min-h-screen px-6 py-20">
      <h2 className="text-3xl font-bold mb-6 text-indigo-600">Skills</h2>
      {skills.length === 0 ? (
        <p>No skills available.</p>
      ) : (
        <div className="flex flex-wrap gap-4">
          {skills.map((s) => (
            <span key={s._id} className="bg-indigo-100 text-indigo-800 px-3 py-1 rounded-full text-sm">
              {s.name}
            </span>
          )));
        </div>
      )}
    </section>
  );
}

```

Src/sections/Certificates.jsx:

```

import React, { useEffect, useState } from "react";
export default function Certificates() {
  const [certificates, setCertificates] = useState([]);
  useEffect(() => {
    fetch("http://localhost:5000/api/certificates")
      .then((res) => res.json())
      .then((data) => setCertificates(data))
      .catch((err) => console.error("Error fetching certificates:", err));
  }, []);
}

```

```

return (
  <section id="certificates" className="min-h-screen px-6 py-20 max-w-6xl mx-auto" >

    <h2 className="text-3xl font-bold mb-6 text-indigo-600">Certificates</h2>
    {certificates.length === 0 ? (
      <p>No certificates available.</p>
    ) : (
      <div className="grid md:grid-cols-2 gap-6">
        {certificates.map((cert) => (
          <div key={cert._id} className="p-4 border rounded shadow hover:shadow-md transition" >
            <h3 className="font-bold text-xl">{cert.title}</h3>
            {cert.issuer && (
              <p className="text-sm text-gray-600">Issuer: {cert.issuer}</p>
            )}
            {cert.date && (
              <p className="text-sm text-gray-600">Date: {cert.date}</p>
            )}
            <img className="text-indigo-600 hover:underline mt-2 inline-block" src={cert.image} alt={cert.title} />
          </div>
        )))
      </div>
    )}
  </section>
);

```

Src/sections/Contact.jsx:

```

import React, { useState, useEffect } from "react";
const Contact = () => {
  const [form, setForm] = useState({ name: "", email: "", message: "" });
  const [messages, setMessages] = useState([]);
  const [error, setError] = useState(""); // for validation error
  useEffect(() => {
    fetch("http://localhost:5000/api/contacts")
      .then((res) => res.json())
      .then((data) => setMessages(data))
      .catch((err) => console.error(err));
  }, []);
  const handleChange = (e) => {
    setForm({ ...form, [e.target.name]: e.target.value });
  };
  const isValidEmail = (email) => {
    const regex = /^[^s@]+@[^\s@]+\.[^\s@]+$/;
    return regex.test(email);
  };
  const handleSubmit = (e) => {
    e.preventDefault();
    if (!isValidEmail(form.email)) {
      setError("Please enter a valid email address.");
      return;
    }
    setError("");
    fetch("http://localhost:5000/api/contacts", {
      method: "POST",
      headers: { "Content-Type": "application/json" },
      body: JSON.stringify(form),
    })
      .then((res) => res.json())
      .then((newMessage) => {
        setMessages([...messages, newMessage]); // update messages
        setForm({ name: "", email: "", message: "" }); // reset form
      })
  };
}

```

```

    .catch((err) => console.error(err));
};

return (
<section id="contact" className="min-h-screen px-6 py-20 max-w-6xl mx-auto">
  <h2 className="text-3xl font-bold mb-6 text-indigo-600">Contact Me</h2>

  <div className="grid md:grid-cols-2 gap-6">

    <form onSubmit={handleSubmit} className="space-y-4 bg-white p-6 shadow rounded-xl" >
      <input type="text" name="name" placeholder="Your Name" value={form.name} onChange={handleChange} className="w-full p-2 border rounded" required/>
      <input type="email" name="email" placeholder="Your Email" value={form.email} onChange={handleChange} className="w-full p-2 border rounded" required />
      {error && <p className="text-red-600 text-sm">{error}</p>}
      <textarea name="message" placeholder="Your Message" value={form.message} onChange={handleChange} className="w-full p-2 border rounded" required ></textarea>
      <button type="submit" className="bg-blue-600 text-white px-4 py-2 rounded"> Send </button>
    </form>
    <div className="bg-gray-100 p-6 rounded-xl shadow">
      <h3 className="text-xl font-semibold mb-4">Messages</h3>
      {messages.length === 0 ? (
        <p>No messages yet.</p>
      ) : (
        <ul className="space-y-3">
          {messages.map((msg, i) => (
            <li key={i} className="bg-white p-3 rounded shadow">
              <p> <strong>{msg.name}</strong> ({msg.email})</p>
              <p className="text-gray-700">{msg.message}</p>
            </li>
          )))
        </ul>
      )}
    </div>
  </div>
</section>
);
};

export default Contact;

```

src/components/Navbar.jsx:

```

import React from 'react';
const links=['Home','About','Projects','Skills','Certificates','Contact'];
export default function Navbar()
{
  return (
<nav className='fixed top-0 left-0 w-full bg-white/80 z-50'>
  <div className='max-w-6xl mx-auto px-4 py-3 flex items-center justify-between'>
    <a href="#" className='text-2xl font-bold text-indigo-600'>MyPortfolio</a>
    <ul className='hidden md:flex items-center gap-6'>
      {links.map( i=>(
        <li key={i}>
          <a href={'#${i.toLowerCase()}' } className='hover:text-indigo-600'>{i}</a>
        </li>
      ))}
    </ul>
  </div>
</nav>
)
}

```

backend/models/Project.js:

```
import mongoose from "mongoose";
const projectSchema = new mongoose.Schema({
  title: { type: String, required: true },
  description: String,
  techStack: [String],
  link: String,
});
export default mongoose.model("Project", projectSchema);
```

backend/models/Skill.js:

```
import mongoose from 'mongoose';
const s=new mongoose.Schema({name:String,level:String});
export default mongoose.model('Skill',s);
```

backend/models/Certificate.js:

```
import mongoose from "mongoose";
const certificateSchema = new mongoose.Schema({
  title: { type: String, required: true },
  issuer: String,
  date: String,
  image: String
});
export default mongoose.model("Certificate", certificateSchema);
```

Backend/models/Contact.js:

```
import mongoose from 'mongoose';
const s=new mongoose.Schema({name:String,email:String,message:String,date:{type:Date,default:Date.now}});
export default mongoose.model('Contact',s);
```

Backend/routes/Projects.js:

```
import express from "express";
import Project from "../models/Project.js";
const router = express.Router();
router.post("/", async (req, res) => {
  try {
    const newProject = new Project(req.body);
    await newProject.save();
    res.status(201).json(newProject);
  } catch (err) {
    res.status(400).json({ error: err.message });
  }
});
router.get("/", async (req, res) => {
  try {
    const projects = await Project.find();
    res.json(projects);
  } catch (err) {
    res.status(500).json({ error: err.message });
  }
});
export default router;
```

Backend/routes/skills.js:

```
import express from 'express';
import Skill from '../models/Skill.js';
const r=express.Router();
r.get('/',async(req,res)=>res.json(await Skill.find()));
```

```

r.post('/',async(req,res)=>{const it=new Skill(req.body);

await it.save();res.json(it});

r.put('/:id',async(req,res)=>res.json(
  await Skill.findByIdAndUpdate(req.params.id,req.body,{new:true})));
r.delete('/:id',async(req,res)=>{
  await Skill.findByIdAndDelete(req.params.id);
  res.json({message:'Deleted'})
});

export default r;

```

backend/routes/certificates.js:

```

import express from "express";
import Certificate from "../models/Certificate.js";
const router = express.Router();
router.get("/", async (req, res) => {
  try {
    const certificates = await Certificate.find();
    res.json(certificates);
  } catch (err) {
    res.status(500).json({ error: err.message });
  }
});
router.post("/", async (req, res) => {
  try {
    const newCert = new Certificate(req.body);
    await newCert.save();
    res.status(201).json(newCert);
  } catch (err) {
    res.status(400).json({ error: err.message });
  }
});
export default router;

```

backend/routes/skills.js:

```

import express from 'express';
import Skill from '../models/Skill.js';
const r=express.Router();
r.get('/',async(req,res)=>res.json(await Skill.find()));
r.post('/',async(req,res)=>{const it=new Skill(req.body);
await it.save();res.json(it)});
r.put('/:id',async(req,res)=>res.json(
  await Skill.findByIdAndUpdate(req.params.id,req.body,{new:true})));
r.delete('/:id',async(req,res)=>{await Skill.findByIdAndDelete(req.params.id);
res.json({message:'Deleted'})});
export default r;

```

backend/server.js:

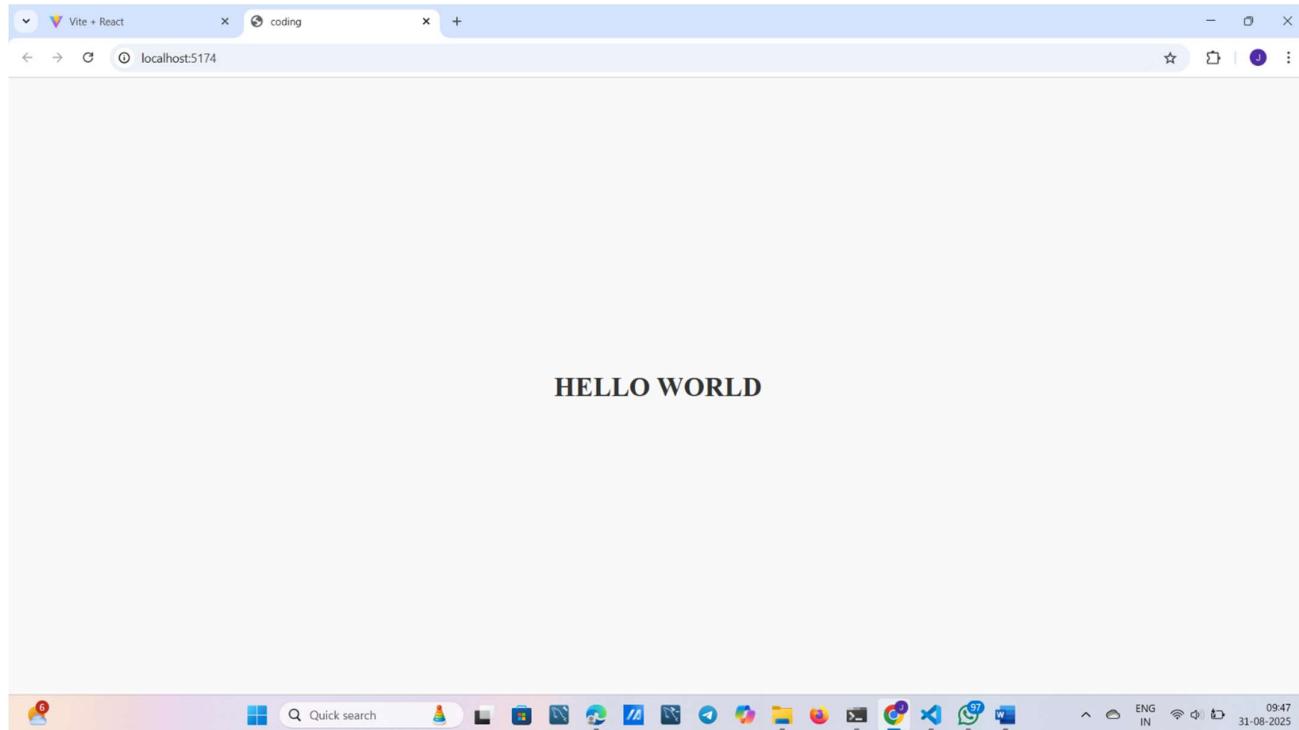
```

import express from "express";
import mongoose from "mongoose";
import cors from "cors";
import dotenv from "dotenv";
import skillsRoute from "./routes/skills.js";
import projectsRoute from "./routes/projects.js";
import certificatesRoute from "./routes/certificates.js";
import contactsRoute from "./routes/contacts.js";
dotenv.config();
const app = express();
app.use(cors());
app.use(express.json());
app.use("/api/skills", skillsRoute);

```

```
app.use("/api/projects", projectsRoute);
app.use("/api/certificates", certificatesRoute);
app.use("/api/contacts", contactsRoute);
const PORT = process.env.PORT || 5000;
const MONGO = process.env.MONGO_URI || "mongodb://localhost:27017/portfolio";
mongoose
  .connect(MONGO)
  .then(() => {
    console.log("Mongo connected");
    app.listen(PORT, () => console.log("Server running on port", PORT));
  })
  .catch((err) => console.error(err));
```

OUTPUT:



OUTPUT:

The screenshot shows a browser window with two tabs: 'Vite + React' and 'localhost:5173'. The main content area displays the 'About' section of a portfolio website. It features a circular profile picture of a woman named Nathisha, followed by her name in bold blue text ('Nathisha') and the title 'Full-Stack Developer'. Below this is a brief bio: 'I build modern web applications with React, Node.js, and MongoDB.' At the bottom of the page, there's a section titled 'Projects' with three cards: 'Mini ecommerce website', 'Movie Finder', and 'Instagram Clone', each with a GitHub link.

The screenshot shows a browser window with two tabs: 'Vite + React' and 'localhost:5173/#projects'. The main content area displays the 'Projects' and 'Skills' sections of the portfolio website. The 'Projects' section contains the same three cards as the previous screenshot. The 'Skills' section lists 'JavaScript Intermediate', 'HTML Intermediate', and 'Bootstrap Intermediate'. Below the skills section is a 'Certificates' section, which is currently empty.

This screenshot shows a portfolio website titled "My Portfolio" at the top. Below the title, there's a navigation bar with links to "About", "Projects", "Skills", "Certificates", and "Contact". The main content area is titled "Certificates". It displays a single certificate card for "Nathisha M" who completed an internship in "Web Development" from June 1, 2024, to June 30, 2024, at "Techno Hacks". The certificate includes a handwritten signature, a QR code, and a "View Certificate" button. Below the certificate section, there's a "Contact Me" section with an email address (jesli@example.com), a phone number (+91 9876543210), and social media links for LinkedIn and GitHub.

This screenshot shows the same portfolio website at the URL "localhost:5173/#certificates". The layout is identical to the first screenshot, featuring the "My Portfolio" title, navigation bar, and "Certificates" section. However, the "Contact Me" section is now replaced by a larger, centered contact form. The form has fields for "Name" (with placeholder "Your Name"), "Email" (with placeholder "Your Email"), and "Message" (with placeholder "Your Message"). At the bottom of the form is a large blue "Send Message" button. The rest of the page is a plain white space.

OUTPUT:

Frontend

The screenshot shows a browser window with two tabs: "Vite + React" and "Vite + React". The URL is "localhost:5173". The page title is "My Portfolio". The main content area features a circular profile picture of a woman named Nathisha, labeled as a "Full-Stack Developer". Below her photo is a brief bio: "I build modern web applications with React, Node.js, and MongoDB." At the bottom of the page, there is a "Projects" section.

Projects

Mini ecommerce website

Like mini amazon with html,bootstrap

Movie Finder

An application to view information about movies and series using the TMDB API.

Instagram Clone

A full-stack Instagram clone built with MERN stack, featuring user authentication, post feed, likes, comments, and image uploads.

Projects

Mini ecommerce website

Like mini amazon with html,bootstrap

[GitHub](#)

Movie Finder

An application to view information about movies and series using the TMDB API.

[GitHub](#)

Instagram Clone

A full-stack Instagram clone built with MERN stack, featuring user authentication, post feed, likes, comments, and image uploads.

[GitHub](#)

Skills

JavaScript
Intermediate

HTML
Intermediate

Bootstrap
Intermediate

Certificates

This screenshot shows a portfolio website titled "My Portfolio" at the URL localhost:5173/#projects. The page features a navigation bar with links to About, Projects, Skills, Certificates, and Contact. The main content area is titled "Certificates". It displays a single certificate card for "Web Development" from "Techno Hacks" dated 8/1/2024. The certificate is awarded to "Nathisha M" for successfully completing an internship from 01/04/2024 to 30/06/2024. It includes a QR code and a "View Certificate" button.

This screenshot shows the same portfolio website at the URL localhost:5173/#certificates. The "Certificates" section has been replaced by a "Contact Me" section. It includes an email link (jesli@example.com) and a phone number (+91 9876543210). Below these are "LinkedIn" and "GitHub" social media links. A contact form is present, asking for Name, Email, and Message. The Name field contains "nathisha", the Email field contains "abc@" with an error message "Enter a valid email.", and the Message field contains "cdvbn" with an error message "Message must be at least 10 characters.". A "Send Message" button is at the bottom of the form.

Backend

The screenshots demonstrate the MongoDB Compass interface for the `portfolio_db` database.

Screenshot 1: Overview of the portfolio_db database

The left sidebar shows the database structure:

- Connections (7):** config, contacts, courseManager, ecommerce, employee_mgmt, eventsdb, expensetracker, jobtracker, languageApp, local, moviesdb, portfolio, portfolio_db (selected), bios, certificates, contacts, projects, skills, recipeDB, studentDB.

The main pane displays the following collections:

- bios:** Storage size: 20.48 kB, Documents: 1, Avg. document size: 154.00 B, Indexes: 1, Total index size: 20.48 kB.
- certificates:** Storage size: 20.48 kB, Documents: 1, Avg. document size: 240.00 B, Indexes: 1, Total index size: 36.86 kB.
- contacts:** Storage size: 20.48 kB, Documents: 1, Avg. document size: 294.00 B, Indexes: 1, Total index size: 20.48 kB.
- projects:** Storage size: 20.48 kB, Documents: 3, Avg. document size: 211.00 B, Indexes: 1, Total index size: 36.86 kB.
- skills:** Storage size: 20.48 kB, Documents: 3, Avg. document size: 76.00 B, Indexes: 1, Total index size: 36.86 kB.

Screenshot 2: Details for the contacts collection

The left sidebar shows the database structure, with `contacts` selected under `portfolio_db`.

The main pane shows the `Documents` tab with 1 document listed:

```
_id: "6cafe0d11b2c3d4e5f67890"
name: "Jesli Nathisha"
email: "jesli@example.com"
phone: "+91 9876543210"
linkedin: "https://www.linkedin.com/in/nathisha05"
github: "https://github.com/nathisha05"
message: "Open to opportunities in Web Development and Software Engineering."
```

Screenshot 3: Details for the projects collection

The left sidebar shows the database structure, with `projects` selected under `portfolio_db`.

The main pane shows the `Documents` tab with 3 documents listed:

```
_id: ObjectId('68abeb8e6c1e3c4837b11b32')
name: "Mini ecommerce website"
description: "Like mini amazon with html,bootstrap"
githubLink: "https://github.com/nathisha05/e-commerce.git"

_id: ObjectId('68abecac6c1e3c4837b11b34')
name: "Movie Finder"
description: "An application to view information about movies and series using the T..."
githubLink: "https://github.com/nathisha05/Movie-finder.git"

_id: ObjectId('68abecfd76c1e3c4837b11b36')
name: "Instagram Clone"
description: "A full-stack Instagram clone built with MERN stack, featuring user aut..."
githubLink: "https://github.com/nathisha05/Instagramclone.git"
```