INTRODUCTION

This project is a dynamically complete and customizable portfolio website creator developed using Node.js, Express.js, and the EJS templating engine. It's created as an easy-to-use tool wherein users can input their personal, academic, and professional information through a web form. Once submitted, the application creates a contemporary portfolio webpage with dark theme styling and additional smooth scrolling animations.

Major features are:

Uploading a profile picture

About Me, Skills, Experience, Projects, and Contact sections

Dynamic input of various projects in JSON formatting

Elegant, responsive navigation bar

Scroll-activated animations for a new UI feel

A contact page with a custom message, email, phone, and social links

The project showcases a full-stack web application pipeline, where the user input is gathered on the frontend, processed by the server via Node.js, and dynamically rendered into a styled EJS template. It is thus best suited for students and professionals looking for a quick and powerful tool to display their portfolios without requiring any coding beyond setup.

CODE:

//portfolio.ejs

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title><%= name %>'s Portfolio</title>
 <link rel="stylesheet" href="/style.css">
 <script defer src="/script.js"></script>
</head>
<body class="dark">
 <nav class="navbar">
 <h2 class="navbar-title"><%= name %></h2>
 <br>
 <a href="#about" class="scroll-link">About</a>
   <a href="#skills" class="scroll-link">Skills</a>
   <a href="#experience" class="scroll-link">Experience</a>
   <a href="#projects" class="scroll-link">Projects</a>
   <a href="#contact" class="scroll-link">Contact</a>
 </nav>
 <main class="main-container">
  <section id="header" class="header">
   <div class="profile-wrapper">
    <img src="<%= profilePic %>" alt="Profile Picture" class="profile-pic">
    <div class="header-info">
```

```
<%= education %>
   <%= email %> | <%= phone %>
   <div class="social-links">
   <a href="<%= linkedin %>" target="_blank">LinkedIn</a>
   <a href="<%= github %>" target=" blank">GitHub</a>
   </div>
  </div>
 </div>
</section>
<section id="about" class="section about animate-on-scroll">
 <h2>About Me</h2>
 <%= about %>
</section>
<section id="skills" class="section skills animate-on-scroll">
 <h2>Skills</h2>
 <div class="skill-badge-wrapper">
  <% skills.split(',').forEach(skill => { %>
   <span class="badge"><%= skill.trim() %></span>
  <% }) %>
 </div>
</section>
<section id="experience" class="section experience animate-on-scroll">
 <h2>Experience</h2>
 >
  <strong><%= experience.role %></strong> at <%= experience.company %><br>
  <em>(<%= experience.duration %>)</em>
```

<h1 class="name"><%= name %></h1>

```
<section id="projects" class="section projects animate-on-scroll">
  <h2>Projects</h2>
  <% projects.forEach(project => { %>
   <div class="project">
    <h3><%= project.title %></h3>
    <%= project.description %>
   </div>
  <% }) %>
 </section>
 <section id="contact" class="section contact animate-on-scroll">
  <h2>Contact Me</h2>
  <%= contactMessage %>
  ul class="contact-details">
   <strong>Email:</strong> <%= email %>
   <strong>Phone:</strong> <%= phone %>
   <strong>LinkedIn:</strong> <a href="<%= linkedin %>" target="_blank"><%= linkedin %></a>
    <strong>GitHub:</strong> <a href="<%= github %>" target="_blank"><%= github %></a>
  </section>
 </main>
</body>
</html>
//form.ejs
<!DOCTYPE html>
<html lang="en">
```

</section>

```
<head>
 <meta charset="UTF-8">
 <title>Create Your Portfolio</title>
 <link rel="stylesheet" href="/style.css">
</head>
<body class="dark">
 <h1>Create Your Portfolio</h1>
 <form action="/generate" method="POST" enctype="multipart/form-data">
  <label for="name">Full Name:</label>
  <input type="text" name="name" value="<%= defaultName %>" required><br>
  <label for="email">Email:</label>
  <input type="email" name="email" value="<%= defaultEmail %>" required><br>
  <label for="phone">Phone:</label>
  <input type="text" name="phone" value="<%= defaultPhone %>" required><br>
  <label for="linkedin">LinkedIn:</label>
  <input type="url" name="linkedin" value="<%= defaultLinkedin %>" required><br>
  <label for="github">GitHub:</label>
  <input type="url" name="github" value="<%= defaultGithub %>" required><br>
  <label for="education">Education:</label>
  <input type="text" name="education" value="<%= defaultEducation %>" required><br>
  <label for="about">About Me:</label>
  <textarea name="about" required><%= defaultAbout %></textarea><br>
  <label for="skills">Skills (comma separated):</label>
```

```
<input type="text" name="skills" value="<%= defaultSkills %>" required><br>
 <label for="expCompany">Experience Company:</label>
 <input type="text" name="expCompany" value="<%= defaultExpCompany %>"><br>
<label for="expRole">Experience Role:</label>
 <input type="text" name="expRole" value="<%= defaultExpRole %>"><br>
<label for="expDuration">Experience Duration:</label>
<input type="text" name="expDuration" value="<%= defaultExpDuration %>"><br>
<label for="projectTitle1">Project 1 Title:</label>
 <input type="text" name="projectTitle1" value="<%= defaultProjectTitle1 %>"><br>
<label for="projectDesc1">Project 1 Description:</label>
<textarea name="projectDesc1"><%= defaultProjectDesc1 %></textarea><br>
<label for="projectTitle2">Project 2 Title:</label>
<input type="text" name="projectTitle2" value="<%= defaultProjectTitle2 %>"><br>
<label for="projectDesc2">Project 2 Description:</label>
 <textarea name="projectDesc2"><%= defaultProjectDesc2 %></textarea><br>
<label for="contactMessage">Contact Message:</label>
<textarea name="contactMessage"><%= defaultContactMessage %></textarea><br>
<label for="profilePic">Profile Picture:</label>
 <input type="file" name="profilePic" accept="image/*" required><br>
 <button type="submit">Generate Portfolio</button>
</form>
```

```
</body>
</html>
```

//app.js

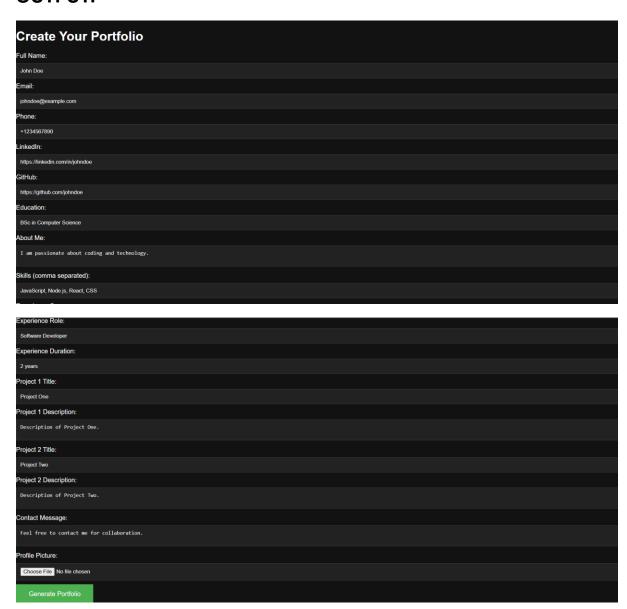
```
const express = require('express');
const bodyParser = require('body-parser');
const multer = require('multer');
const path = require('path');
const fs = require('fs');
const app = express();
const port = 3000;
const storage = multer.diskStorage({
destination: function (req, file, cb) {
  cb(null, 'public/uploads/');
},
filename: function (req, file, cb) {
  cb(null, Date.now() + path.extname(file.originalname));
}
});
const upload = multer({ storage: storage });
app.use(bodyParser.urlencoded({ extended: true }));
app.use(express.static('public'));
app.set('view engine', 'ejs');
if (!fs.existsSync('public/uploads')) {
fs.mkdirSync('public/uploads');
}
```

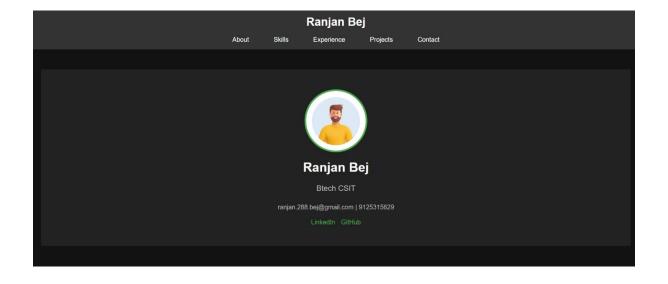
```
app.get('/', (req, res) => {
res.render('form', {
  defaultName: "John Doe",
  defaultEmail: "johndoe@example.com",
  defaultPhone: "+1234567890",
  defaultLinkedin: "https://linkedin.com/in/johndoe",
  defaultGithub: "https://github.com/johndoe",
  defaultEducation: "BSc in Computer Science",
  defaultAbout: "I am passionate about coding and technology.",
  defaultSkills: "JavaScript, Node.js, React, CSS",
  defaultExpCompany: "TechCorp",
  defaultExpRole: "Software Developer",
  defaultExpDuration: "2 years",
  defaultProjectTitle1: "Project One",
  defaultProjectDesc1: "Description of Project One.",
  defaultProjectTitle2: "Project Two",
  defaultProjectDesc2: "Description of Project Two.",
  defaultContactMessage: "Feel free to contact me for collaboration."
});
});
app.post('/generate', upload.single('profilePic'), (req, res) => {
const {
  name, email, phone, linkedin, github, education, about, skills,
  expCompany, expRole, expDuration, projectTitle1, projectDesc1,
  projectTitle2, projectDesc2, contactMessage
 } = req.body;
 const profilePic = req.file ? '/uploads/' + req.file.filename : '/uploads/default.jpg';
res.render('portfolio', {
  name, email, phone, linkedin, github, education, about, skills,
```

//script.js

```
window.addEventListener("scroll", () => {
  const elements = document.querySelectorAll(".animate-on-scroll");
  elements.forEach(element => {
    const rect = element.getBoundingClientRect();
    if (rect.top >= 0 && rect.bottom <= window.innerHeight) {
      element.classList.add("in-view");
    }
  });
});</pre>
```

OUTPUT:





About Me

I am passionate about coding and technology.

Skills









Experience

Software Developer at Tata Technologies

Ranjan Bej About Skills Experience Projects Contact Projects Chat App Real-Time Messaging: Instantly send and receive messages between users using WebSockets or Firebase. User Authentication: Secure login/signup using email/password, Google, or other providers. Responsive Design: Fully mobile-friendly interface for seamless use on all devices. Chat Rooms/Groups: Create and join multiple chat rooms or private groups. Ecommerce Website Product Listings: Browse a wide range of products with categories, filters, and search options. Product Details: Individual product pages with images, descriptions, prices, reviews, and stock info. Shopping Cart: Add, remove, or update items with real-time total calculations. Secure Checkout: Multiple payment options (credit/debit cards, PayPal, etc.) with encryption.

Ranjan Bej About Skills Experience Projects Contact Ecommerce Website Product Listings: Browse a wide range of products with categories, filters, and search options. Product Details: Individual product pages with images, descriptions, prices, reviews, and stock info. Shopping Cart: Add, remove, or update items with real-time total calculations. Secure Checkout: Multiple payment options (credit/debit cards, PayPal, etc.) with encryption.

Contact Me

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