About me

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Mern Stack Developer

I am excited to share my project, the **Contacts Web App**, which allows users to send One-Time Passwords (OTPs) via SMS to a list of contacts. Built with EJS, Tailwind CSS, MongoDB, and Node.js, it ensures a seamless user experience with responsive design, error handling, and Twilio API integration for secure authentication.

Assignment Url : **https://sms-otp-tau.vercel.app**

GitHub : https://github.com/rhythmitaliya

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Portfolio : https://rhythmitaliya.com

Best,

Rhythm Italiya

Project Documentation for Contacts Web App with OTP SMS Functionality :

- **Overview :**

This web application allows users to manage a list of contacts and send One-Time Passwords (OTPs) via SMS. Users can view contact details, send messages, and view sent messages in a user-friendly interface.

- **Live Website URL :**

https://sms-otp-tau.vercel.app

- **Technologies Used :**
  - **Frontend**: EJS, Tailwind CSS
  - **Backend**: Node.js with Express.js
  - **Database**: MongoDB
  - **SMS Service**: Twilio (trial version)
  - **Deployments** : Vercel

How the Contacts Web App Works

1. **Main Page**: The application opens to a main menu with two options: view contacts and view sent messages.
2. **List of Contacts**:
   - Users can view a list of contacts loaded from a static JSON file.
   - Selecting a contact brings up their details, including name and phone number, along with a "Send Message" button.
3. **Sending an OTP**:
   - Clicking "Send Message" directs users to a message screen where a default message ("Hi. Your OTP is: 123456") is displayed, with 123456 replaced by a randomly generated six-digit number.
   - Upon clicking "Send," the app uses the Twilio API to send the SMS to the selected contact.
4. **Viewing Sent Messages**:
   - Users can access a list of messages sent, displayed in descending order by date and time, showing the contact name, timestamp, and OTP sent.
5. **User Experience**:
   - The app is responsive and designed for ease of navigation.
   - Error handling ensures a smooth user experience, addressing issues from both the server and SMS service.