

A simple full-stack web application for NGOs to manage volunteer registrations and view applicants.

Tech Stack

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js, Express.js
- Database: MongoDB Atlas
- Deployment: Render (Backend) + Netlify (Frontend)

Folder Structure

ngo-volunteer-management/

```
|  
|   └── ngo-backend/  
|       |   └── server.js  
|       |   └── package.json  
|       |   └── controllers/  
|       |   └── models/  
|       |   └── routes/  
|       └── .env (local only)  
|  
└── public/ (#Front-end)  
    └── index.html  
    └── register.html  
    └── view.html  
    └── style.css  
    └── register.js  
    └── view.js
```

Setup Instructions

Backend Setup (Node.js + MongoDB)

1. Navigate to the backend folder:

```
> cd ngo-backend
```

2. Install dependencies:

```
> npm install
```

3. Create a ` `.env` file:

```
> MONGO_URI=your_mongodb_connection_string
```

4. Start the backend server:

```
> node server.js
```

The server should now run on `http://localhost:5000`

Frontend Setup (Static Files)

1. Navigate to the frontend folder:

```
> cd ngo-frontend
```

2. Make sure to update API calls in JS files:

```
> fetch('https://your-backend-url.onrender.com/api/volunteers')
```

🚀 Deployment

Backend on Render

1. Push `ngo-backend/` to GitHub
2. Go to https://render.com
3. New → Web Service → Connect GitHub → Select repo
4. Configure:
 - a. Build Command: `npm install`
 - b. Start Command: `node server.js`
 - c. Environment Variable: `MONGO_URI`
5. Deploy → Get backend URL like: “https://ngo-backend.onrender.com”

Frontend on Netlify

1. Push `ngo-frontend/` to GitHub
2. Go to https://netlify.com
3. New Site → Import from GitHub
4. Build command: (leave empty)
5. Publish directory: `./`
6. Deploy → Get frontend URL like: “https://your-ngo-frontend.netlify.app”

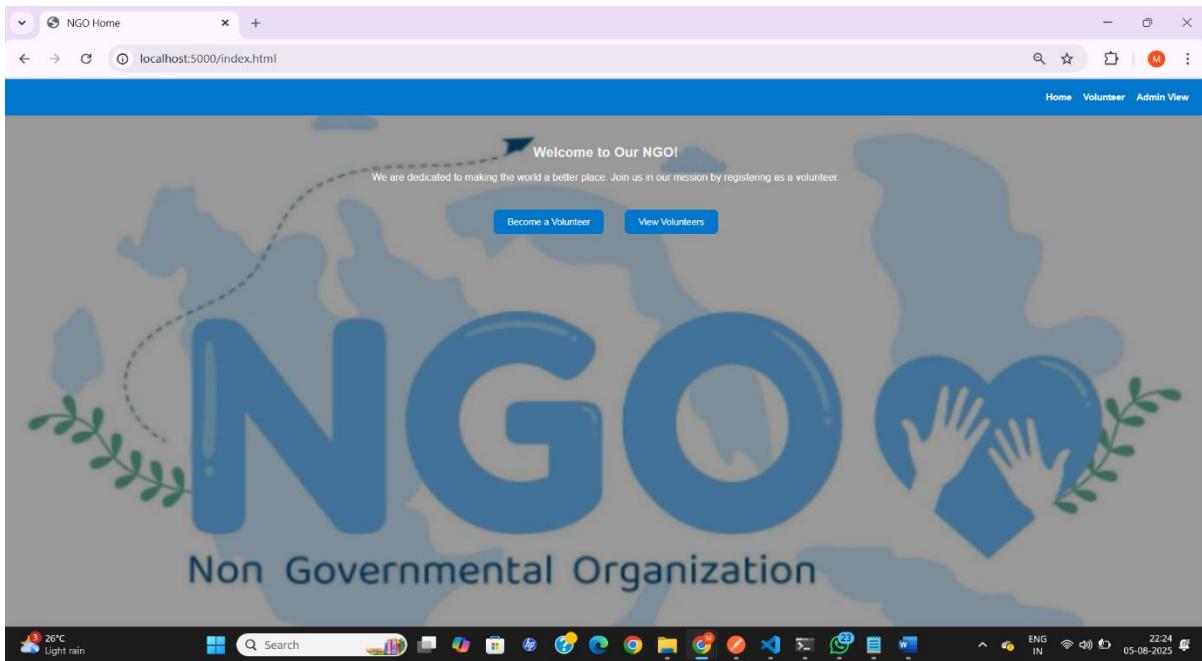
🌟 Features

- 📋 Volunteer registration form
- 👀 Admin view for applicants
- 🔗 REST API integration

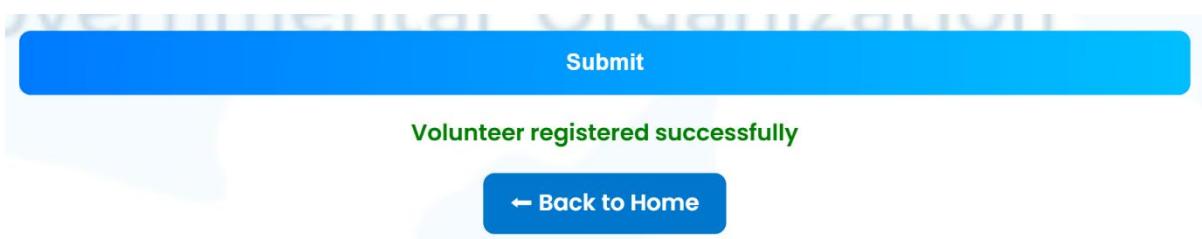
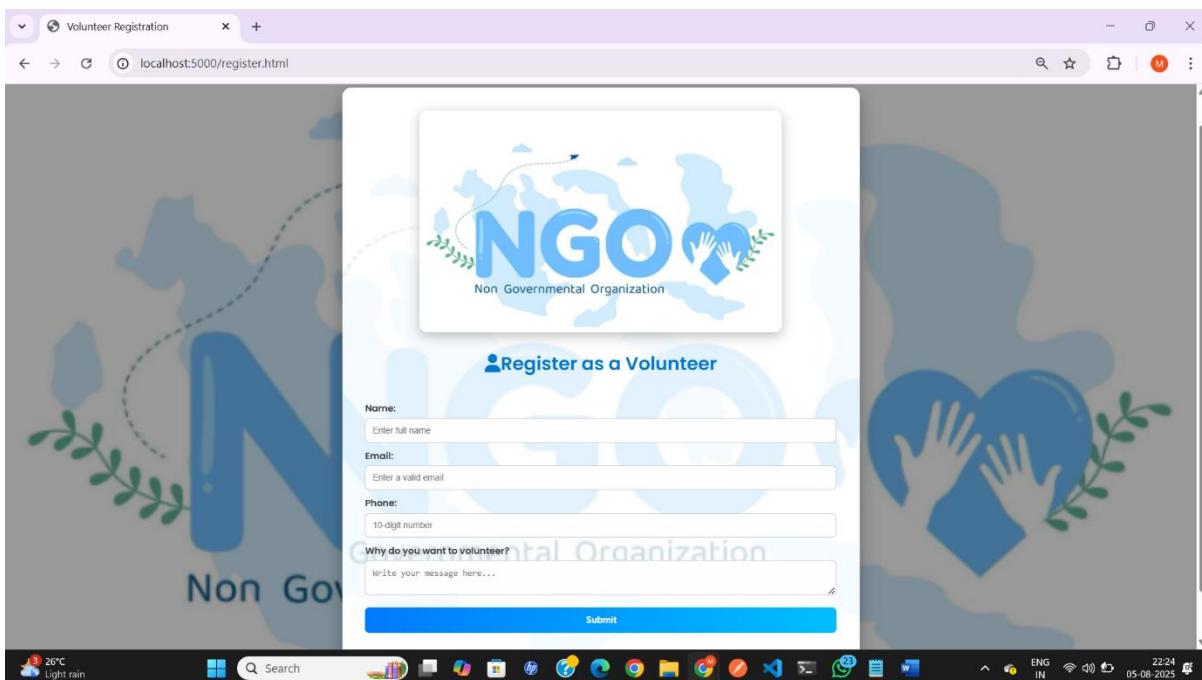
🔮 Future Improvements

- 🔒 Admin login panel
- 📩 Email confirmation
- 📊 Dashboard with charts
- ⚡ Pagination and search

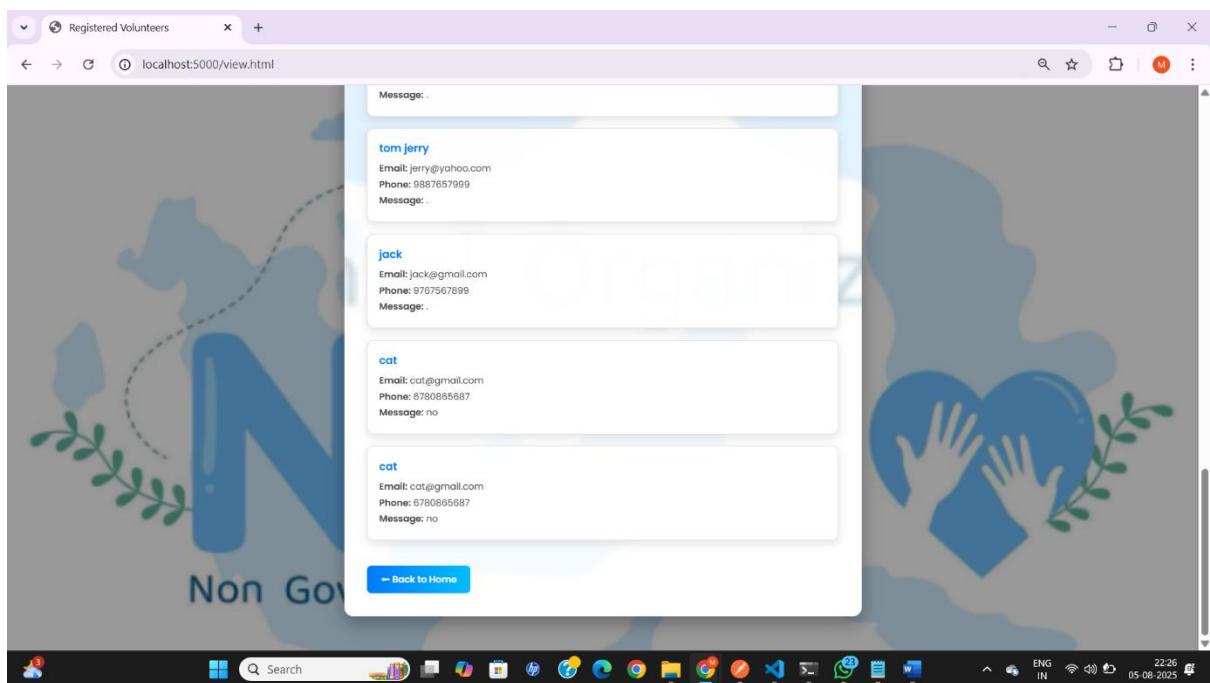
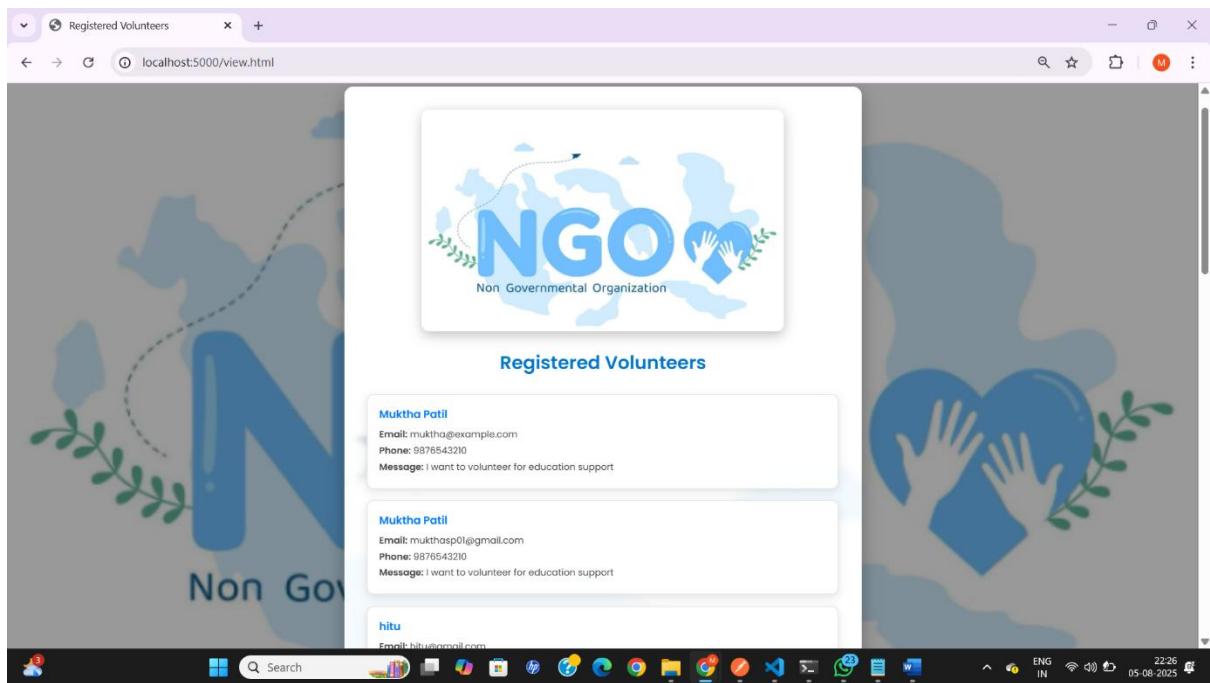
📸 Screenshots



a. Home Page



b. Volunteer Registration form



c. Admin View of Volunteers List