**NGO Sathi - Comprehensive Documentation**

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**1. Introduction**

**Purpose of This Documentation**

This documentation serves as a comprehensive guide to NGO Sathi, covering its features, architecture, business model, and technical specifications. It is intended for developers, investors, and stakeholders interested in understanding the project in depth.

**About NGO Sathi**

NGO Sathi is a web-based platform designed to aggregate NGOs, providing detailed insights into their services, needs, and ways to contribute. The goal is to bridge the gap between NGOs and potential donors/volunteers, making social impact more accessible and efficient.

**Problem Statement & Vision**

Many NGOs struggle with visibility and resource management, making it difficult for them to connect with donors and volunteers. NGO Sathi solves this by offering a **centralized digital platform** where NGOs can showcase their missions, and individuals or organizations can find NGOs to support.

**2. Project Overview**

**Features & Functionalities**

* **NGO Directory:** A searchable database of verified NGOs
* **Profile Pages:** Each NGO has a dedicated page with mission, needs, and contact details
* **Donation & Volunteering Opportunities:** Users can contribute directly
* **Smart Recommendations:** AI-driven NGO suggestions based on user interests
* **Admin Panel:** For NGO owners to manage their profiles

**Target Audience & Use Cases**

* **Individuals looking to contribute** (volunteers, donors)
* **Corporations seeking CSR partnerships**
* **NGOs in need of visibility and funding**

**Technology Stack**

* **Frontend:** React.js + Tailwind CSS
* **Backend:** Node.js + Express.js
* **Database:** MongoDB
* **Hosting:** Vercel/Netlify (Frontend), AWS/DigitalOcean (Backend)
* **Authentication:** JWT-based authentication system

**3. Architecture & System Design**

**High-Level Architecture Diagram**

*[Insert System Architecture Diagram Here]*

**Database Schema & Design**

*[Insert Database Schema Diagram Here]*

**Backend & API Structure**

* **Authentication & Authorization** (JWT-based authentication)
* **CRUD Operations:** NGOs, Users, Contributions
* **Third-Party Integrations:** Payment Gateway, Google Maps API

**4. Development Guide**

**Codebase Structure**

*(Note: No actual code included, just descriptions of structure)*

/ngo-sathi

├── frontend

│ ├── components

│ ├── pages

│ ├── assets

│ └── utils

├── backend

│ ├── models

│ ├── routes

│ ├── controllers

│ ├── middleware

│ └── config

└── docs

**Security & Performance Considerations**

* **Data Protection:** SSL Encryption, JWT for authentication
* **Scalability:** Load balancing, caching strategies
* **Performance Optimization:** Lazy loading, CDN integration

**5. UI/UX & Design Documentation**

**Figma Designs Overview**

*[Insert Figma UI Wireframes - Homepage, NGO Listing, NGO Profile Page]*

**Sitemap & Navigation Flow**

*[Insert Website Sitemap Here]*

**User Flowcharts**

*[Insert User Flowchart - Registration Process, NGO Application, Contribution Flow]*

**6. Deployment & Maintenance**

**Hosting & Server Setup**

* **Frontend:** Hosted on Vercel/Netlify
* **Backend:** Hosted on AWS/DigitalOcean
* **Database:** MongoDB Atlas

**Environment Variables & Configurations**

* **API Keys:** Stored securely in .env files
* **Database URIs & Auth Tokens:** Managed via secure vaults

**Monitoring & Debugging**

* **Logging:** Winston/Morgan for logging
* **Error Handling:** Global error handling middleware in Express
* **Monitoring:** New Relic/Datadog for performance tracking

**7. Business Approach & Future Plans**

**Monetization & Revenue Model**

* **Subscription Plans:** Premium NGO listings
* **Sponsored NGOs:** Priority placements
* **Corporate Partnerships:** CSR-focused collaborations

**Initial Budget & Development Cost**

*[Insert Cost Breakdown Table Here]*

**Scaling Plans & Required Team**

* **Current Team:** 4-5 developers, 1 designer, 1 project manager
* **Future Team Needs:** AI developers, marketing experts, legal consultants

**8. Appendices & References**

**Glossary of Terms**

* **NGO:** Non-Governmental Organization
* **CSR:** Corporate Social Responsibility
* **JWT:** JSON Web Token

**External Resources & Citations**

* [DAAD NGO Funding Reports](https://chatgpt.com/c/67c35c26-361c-8013-bcd8-978b762313ab)
* [Industry Research on NGO Tech Platforms](https://chatgpt.com/c/67c35c26-361c-8013-bcd8-978b762313ab)

**Acknowledgments & Contributors**

* Vishesh Bajaj (Project Lead)
* Development Team
* UX/UI Designers

**Next Steps**

📌 **Replace placeholders with actual diagrams, images, and flowcharts.** 📌 **Review each section and refine the business model details.** 📌 **Convert into Word and GitHub Markdown format.**

ok convert this into work and github markdown format both and i will ask u more details about this as i move forward