# HackOrbit 2025

**Team Name**
VOICEWEAVERS

# THEME & PROBLEM STATEMENT

Theme: Open Innovation

**"To empower elderly and disabled individuals by creating an AI–driven support system that makes everyday help easily accessible."**

Many elderly and differently-abled individuals struggle with everyday non-medical tasks due to physical limitations, lack of nearby family, or difficulty using digital platforms. There is a growing need for an easy-to-use, voice-assisted system that connects them with nearby volunteers who can provide timely, trusted help for daily activities.

# PROPOSED SOLUTION

We propose building an AI-powered, voice-assisted volunteer booking platform called *"ConnectWell"* tailored specifically for users who face challenges with traditional digital tools. Through an easy-to-use speech-to-text interface, users will be able to request help simply by speaking, making the platform highly accessible. The system will utilize real-time location tracking to detect verified volunteers within a defined radius. Once a request is raised, nearby volunteers will be notified and can accept based on proximity and availability . To ensure a smooth experience, the platform will feature a minimalistic and intuitive user interface. Artificial intelligence will enhance functionality by improving voice recognition, managing recurring requests, and optimizing volunteer matching.

Safety and trust will be ensured through volunteer verification, background checks, and an integrated feedback and rating system. Our primary aim is to combat social isolation, lack of support, and provide non-medical assistance to elderly and differently-abled individuals by connecting them with local volunteers. The platform can be integrated with existing community support networks such as NGOs, who can onboard their pre-vetted volunteers or use the system to manage their outreach operations.
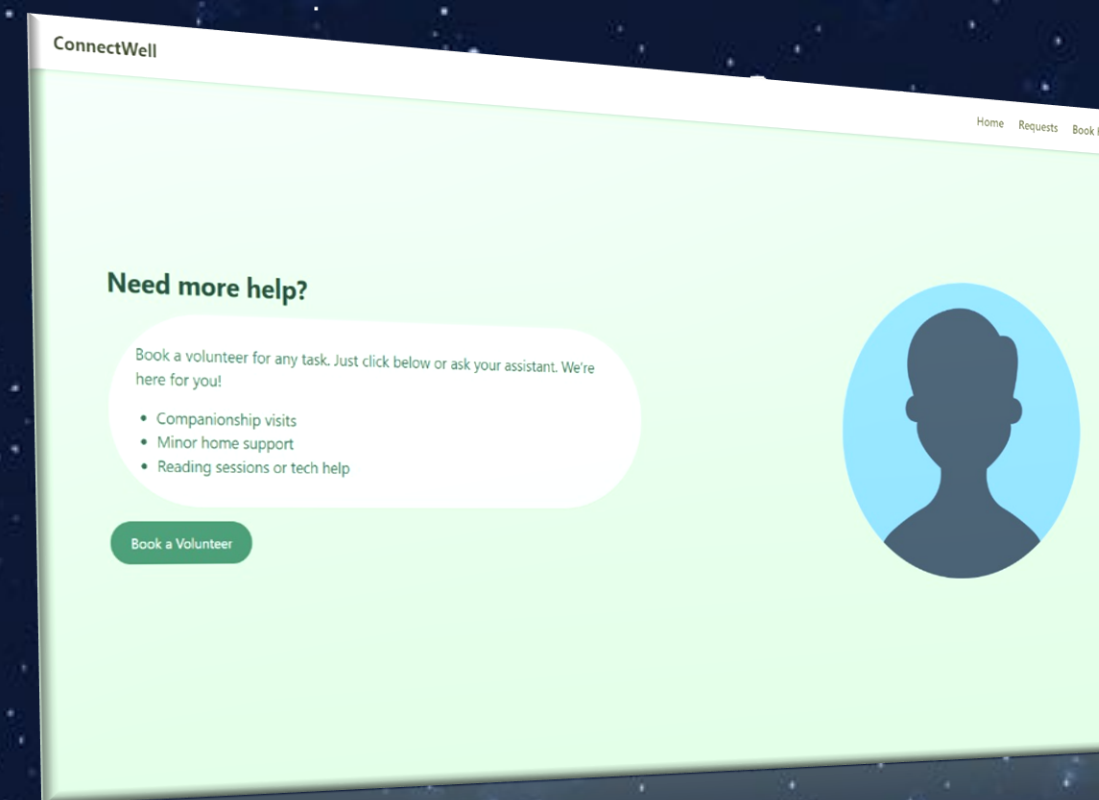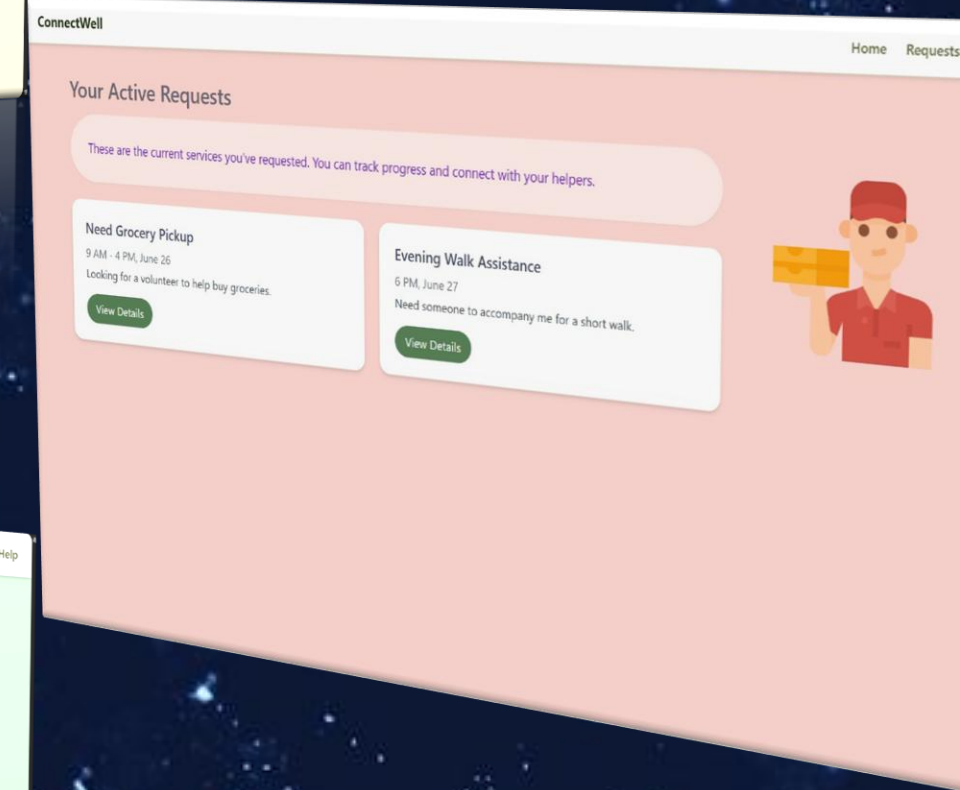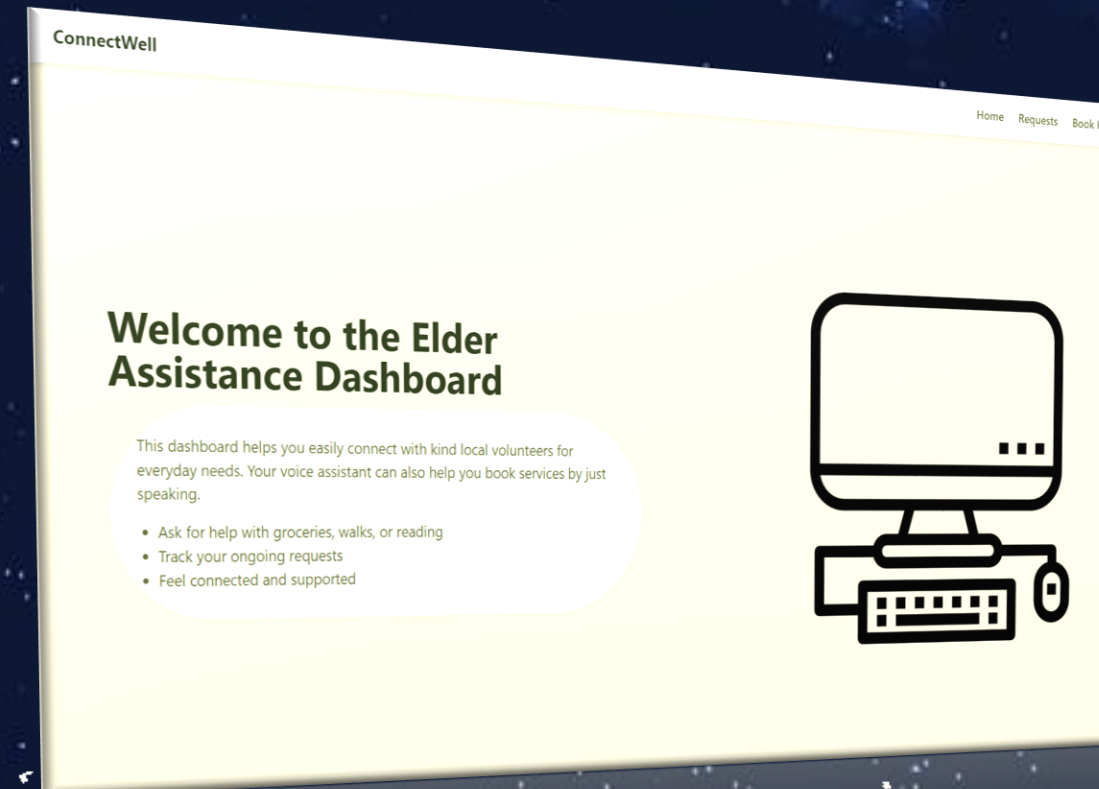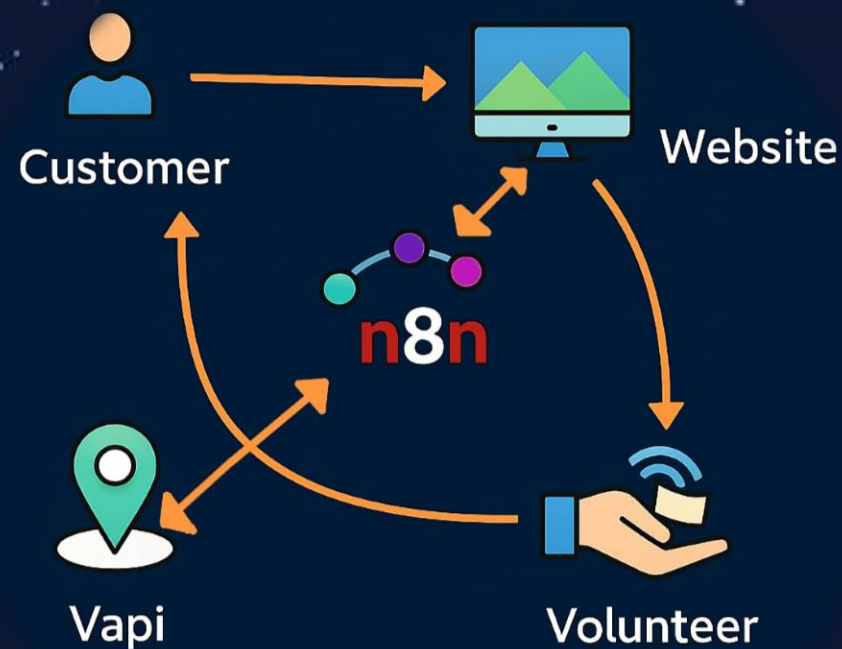
The website allows elderly or differently-abled users to request help using voice commands, which are processed through speech-to-text AI. Once the request is registered, the platform detects nearby volunteers via location services and sends them notifications. The nearest available volunteer accepts the task, and a confirmation is sent to the user. The volunteer then visits the user and completes the task . The backend flow involves a workflow automation system that manages communication between the user, website, and volunteer, ensuring seamless task handling from request initiation to final execution.

# FEATURES AND NOVELTY

- VOICE-ASSISTED REQUEST SYTEM : Users can raise requests through simple voice commands , reducing reliance on typing,

- VERIFIED VOLUNTEER NETWORK : While apps exist for rides or deliveries, this platform focuses uniquely on non-medical human support tasks, filling a real-world gap.

- LOCATION BASED VOLUNTEER MATCHING : The platform finds and notifies volunteers within a specific radius to ensure quick and nearby assistance.

- COMBINING AI WITH HUMAN TOUCH : Blends artificial intelligence with real human interaction, making technology empathetic and purposeful.

- FEEDBACK AND RATING SYSTEM : Users can rate and review volunteers to maintain service quality and accountability.

- ELDERLY-FRIENDLY INTERFACE : Simple, clean UI with large buttons, minimal steps, and optional language support designed for ease of use.

# DRAWBACK AND SHOWSTOPPERS

*DRAWBACKS:*

- INTERNET DEPENDENCY : The platform relies heavily on stable internet and GPS, which might be an issue in rural or low-connectivity areas.
  Solution: Offline request options like SMS can be added.

- VOLUNTEER AVAILABILITY : If there are not enough volunteers in a user's nearby area , request may go unanswered or delayed.
  Solution: The count of number of volunteers in a particular area can be maintained.

*SHOWSTOPPER RISKS:*

- SECURITY AND TRUST FAILURES : Dealing with vulnerable users and home visits immediately raises security concerns. Solution: Every volunteer undergoes a rigorous identity verification process including mandatory Aadhaar card verification and mobile number authentication.

- PRIVACY AND DATA PROTECTION ISSUES : Mishandling of location, identity, or voice data can lead to legal issues and loss of user trust. Solution: By using end-to-end encryption and anonymize user data.

# TECH STACK USED

**FRONTEND :** React with Material UI

**BACKEND :** Node.js/Express

**DATABASE :** MongoDB

**AUTOMATION :** N8N

**SPEECH RECOGNITION :** Vapi ai

# VOICEWEAVERS

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# Thank you