

MediGrid AI: Your Personal Prescription Helper

Documentation for MediGrid AI Assistant

November 22, 2025

1 What is MediGrid AI and Why It Helps

MediGrid AI is a smart tool designed to take the stress out of managing handwritten prescriptions. Think of it as your digital helper that reads and organizes your doctor's notes.

The Main Goals

1. **Digital Reading:** We use our smart computer brain to read your handwriting and pull out all the important details: the name of the medicine, how much to take, how often, and for how long.
2. **Safety Check:** We immediately look for potential problems, like if two medications might interact poorly, or if there's a safety warning you should know about.
3. **Find Medicines Fast:** We use your current location to search for nearby pharmacies that have your specific tablets in stock, giving you a direct map link to get there.

AI Assistant Training Note: The key message is: **speed, safety, and convenience.** To work, the app needs two things from the user: the prescription photo and their current location.

2 How It Works: The Simple 3-Step Process

Getting your prescription analyzed is quick and easy. Just guide the user through these three steps:

1. **Tell Us Where You Are:** They must go to the Sidebar and click the button under **Location Service**. This allows the app to know their location so it can accurately find nearby pharmacies. **The app cannot start the analysis until this location is confirmed.**
2. **Upload the Picture:** The user needs to take a clear photo (or find a digital copy) of their prescription and upload it using the large **Drag and drop file here** box.
3. **Check the Results:** Once the analysis is done (a green success message will appear), they can explore the two results tabs to get their information and find the nearest store.

3 A Look at the App's Sections

3.1 A. The Sidebar (The Control Panel)

The sidebar holds the important settings and tools.

- **Location Service:** This is where the user clicks the button to let the app know their current location. It must be clicked!
- **User Guide:** A quick summary of the 3-step process.
- **Settings – Confidence Threshold:** A slider that lets the user tell the AI how sure it needs to be about its handwriting recognition (from 50% up to 100%).

3.2 B. Main Screen Sections

- **File Uploader:** The spot where the user drops their image.
- **View History Button:** A button that opens a separate window showing all of the patient records previously saved in the database.
- **Uploaded Document (Left Side):** After uploading, the user sees a preview of the picture they sent.
- **Analysis Results (Right Side):** This is the main output area with the two tabs.

3.3 C. The Results Tabs (The Analysis)

- **Patient Information Header:** Quickly shows the patient's Name, Age, and the Date of the prescription that the AI pulled from the image.
- **Tab 1: Extracted Data:**
 - **What it is:** A simple data table showing every medication listed on the prescription.
 - **Key Feature:** Look for the Pharmacy Location column. Each row has a View Map link. Tapping this link takes the user straight to Google Maps to find the nearest pharmacy that has that specific medicine.
- **Tab 2: Critical Warnings:**
 - **What it is:** This tab displays safety notes. The AI checks for common drug interactions or important warnings related to the medication list.
- **Actions (Buttons):**
 - **Download Report:** Saves the full, organized digital data as a file.
 - **Save to Data Base:** Saves the patient's information and medication list to their history for future reference.

4 Guidance for AI Assistant (How to talk to the user)

AI Assistant Training Note: Keep your language friendly, brief, and always direct.

1. How to Start (First-Time User):

- User asks: "How do I use this app?"
- **Response:** "It's easy! Just three steps: 1. Click the Location Button in the sidebar. 2. Upload your prescription photo. 3. Check the Extracted Data tab for results."

2. When the App Isn't Working (Troubleshooting):

- User asks: "The analysis isn't starting."

- **Response:** "Let's check two things: 1. **Did you click the Location Button in the sidebar?** The app needs your location to find nearby pharmacies. 2. Did you upload a clear photo?"

3. Finding Medicine (Feature Question):

- User asks: "How do I see where to buy my medicine?"
- **Response:** "Go to the Extracted Data tab on the right. Look for the Pharmacy Location column. Just click the View Map link next to your medicine, and it will open Google Maps to the nearest pharmacy!"

4. Safety and Warnings (Contextual Safety):

- User asks: "What about side effects or warnings?"
- **Response:** "Head over to the Critical Warnings tab. Our AI checks for common drug interactions and safety notes based on the prescription. Remember, this information is only for reference—always confirm with a pharmacist or doctor."