1. **Convert Your GUI to a Web Application**

Python desktop GUIs (like PyQt or Tkinter) can’t be directly shown in a browser. You’ll need to:

Either rebuild the frontend using web technologies (HTML/CSS/JavaScript).

Or use a Python web framework that can serve your GUI logic via a web interface.

**Option A: Use Python Web Frameworks (Fast to set up)**

-Streamlit: Great for data apps and simple GUIs.

-Flask: Lightweight, good for custom apps.

-Django: More structured, for complex apps.

**2. Host Your App Online**

**Option A: Free Hosting**

-Streamlit Community Cloud — deploy Streamlit apps easily.

-Render

-Railway

-Deta

PythonAnywhere — good for Flask/Django.

**Option B: Cloud Platforms (more flexible)**

-Heroku (easy, but limited free tier)

-Vercel / Netlify (if frontend is separate)

-AWS, GCP, or Azure (more complex)

**Example: Convert PyQt GUI to Web App**

**If you have a PyQt GUI, you can:**

-Extract the core logic (image processing, etc.) into a Python module.

-Use Flask or FastAPI to serve that logic as an API.

-Create a simple web frontend (HTML + JS) that interacts with the backend.

**Want Help Converting It?**

If you can share what your GUI currently does (e.g., file upload, image processing, displaying results), I can help you pick the best method and even convert some parts for you.

Would you like to go with Streamlit, or are you looking for something more customizable (Flask/FastAPI + frontend)?

### ****Free Hosting Options for Python Web Apps****

| **Platform** | **Supports** | **Best For** | **Free Tier Details** |
| --- | --- | --- | --- |
| **Streamlit Cloud** | Streamlit apps | Super fast deployment of simple GUIs | 100% free, easy GitHub integration |
| **Render** | Flask, FastAPI, Django | More flexibility, custom backends | Free web services with auto-deploy |
| **Railway** | Flask, FastAPI, fullstack apps | Easy setup, modern UI | 500 hours/month free |
| **PythonAnywhere** | Flask, Django | Beginners and small apps | Free tier with limited CPU/time |
| **Replit** | Flask, FastAPI | Beginners, live collaboration | Free hosting and editing |
| **Glitch** | Node.js, Flask | Fast prototypes | Limited memory, great for testing |
| **Deta** | Flask, FastAPI | Microservices & APIs | 100% free for small apps, no server setup |
| **Heroku (deprecated free tier)** | Flask, Django, etc. | Still works with tricks | No longer fully free, limited trial |

**Recommendations Based on Your Needs**

Need Recommendation

|  |  |
| --- | --- |
| Simple Python GUI, quick setup | Streamlit Cloud |
| More control/custom backend | Render or Railway |
| Beginner-friendly | PythonAnywhere or Replit |
| Small API-style backend | Deta |

My Top Picks (if you're starting today)

**-Streamlit Cloud (if you're using Streamlit):**

https://streamlit.io/cloud

Push code to GitHub → connect it → done.

**-Render (Flask/FastAPI apps):**

https://render.com

Great for custom apps and has automatic deployment.

**- Railway:**

https://railway.app

Super simple interface, good docs, works well for fullstack apps.