**🔹 Step 1: Install Python**

Before setting up, ensure **Python 3.11 or later** is installed on the new laptop.

🔹 **Download Python** from:  
👉 <https://www.python.org/downloads/>

✅ **During installation, select "Add Python to PATH"** to avoid command-line issues.

**🔹 Step 2: Install Required Libraries**

After installing Python, open **Command Prompt (cmd)** and install all necessary libraries by running:

bash

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pip install flask sqlite3 nltk scikit-learn numpy

👉 This installs:

* **Flask** (for the web app)
* **SQLite3** (for the database)
* **NLTK** (for AI-powered NLP)
* **scikit-learn** (for TF-IDF & similarity matching)
* **NumPy** (for mathematical operations)

**🔹 Step 3: Set Up NLTK Resources (Fix for Missing Data)**

Since you faced **NLTK missing resources**, manually download them to avoid errors:

python

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import nltk

nltk.download('punkt')

nltk.download('stopwords')

🔹 **Why?**  
This will **prevent "LookupError: Resource punkt\_tab not found"** that you faced before.

**🔹 Step 4: Copy Your Project Files**

Move the following files to the new laptop:

* **chatbot.py** (Main Python script)
* **templates/** (Folder containing index.html)
* **chatbot.db** (SQLite database file)

**🔹 Step 5: Run the Chatbot**

Now, navigate to the folder where your chatbot.py file is located and run:

bash

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python chatbot.py

🚀 If everything is installed properly, your chatbot should be accessible at:  
👉 http://127.0.0.1:5000/

**🔹 Step 6: Troubleshooting (If Issues Occur)**

If you face **any errors**, use these fixes:

**🔥 NLTK Issues**

❌ LookupError: Resource punkt not found  
✅ **Solution:** Run:

python

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import nltk

nltk.download('punkt')

nltk.download('stopwords')

**🔥 Flask Not Installed**

❌ ModuleNotFoundError: No module named 'flask'  
✅ **Solution:** Run:

bash

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pip install flask

**🔥 Database Not Found**

❌ sqlite3.OperationalError: no such table: responses  
✅ **Solution:** Run:

bash

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python chatbot.py

👉 It will **automatically create the database** if missing.

**🔹 Step 7: Final Testing Before Showcase**

1. Open http://127.0.0.1:5000/
2. Ask different questions like:
   * "Do you provide accommodation?"
   * "What courses are available?"
   * "Tell me about hostel facilities."
3. If all answers are correct, **you're ready for the project showcase!** 🎉

**🔥 Final Checklist for Showcase**

✅ **Python Installed on Laptop**  
✅ **All Required Libraries Installed (pip install ...)**  
✅ **NLTK Resources Downloaded (punkt, stopwords)**  
✅ **Project Files Copied (chatbot.py, templates/, chatbot.db)**  
✅ **Chatbot Running Successfully (python chatbot.py)**

Now, your chatbot is **fully set up** and ready for **your college project showcase!** 🚀🔥

Let me know if you need any last-minute fixes! 🎉