**Corrected Dockerfile**

Ensure your Dockerfile begins with a FROM instruction and properly specifies the base image. Here's the full corrected Dockerfile:

dockerfile

Copy code

# Use an official Python runtime as the base image

FROM python:3.9-slim

# Set the working directory inside the container

WORKDIR /app

# Install system dependencies for RDKit and other libraries

RUN apt-get update && apt-get install -y --no-install-recommends \

build-essential \

cmake \

libboost-all-dev \

libeigen3-dev \

zlib1g-dev \

libxrender1 \

wget && \

apt-get clean && rm -rf /var/lib/apt/lists/\*

# Copy the requirements file into the container

COPY requirements.txt .

# Install Python dependencies

RUN pip install --no-cache-dir -r requirements.txt

# Copy the application code into the container

COPY . .

# Expose the port that Streamlit uses

EXPOSE 8501

# Set an environment variable to suppress warnings

ENV PYTHONWARNINGS=ignore

# Use JSON syntax for the CMD instruction to run the application

CMD ["streamlit", "run", "fert.py"]

**Steps to Resolve**

1. **Verify the Dockerfile**:
   * Ensure the file begins with FROM python:3.9-slim (or another appropriate base image).
2. **Rebuild the Image**: Run the build command:

bash

Copy code

docker build -t fert\_pair\_app .

1. **Run the Container**: Run the container:

bash

Copy code

docker run -p 8501:8501 fert\_pair\_app