```
import pandas as pd
from sklearn.preprocessing import StandardScaler, LabelEncoder
import zipfile
import os
from google.colab import files


print("Upload your ZIP file containing the dataset:")
uploaded = files.upload()


zip_path = list(uploaded.keys())[0]
extract_dir = "extracted_dataset"
with zipfile.ZipFile(zip_path, 'r') as zip_ref:
    zip_ref.extractall(extract_dir)
print("✅ Dataset extracted successfully!")
print("Files:", os.listdir(extract_dir))


extracted_files = os.listdir(extract_dir)
csv_file = [f for f in extracted_files if f.endswith('.csv')][0]
df = pd.read_csv(os.path.join(extract_dir, csv_file))
print("\n✅ Data loaded successfully! Preview:")
print(df.head())

df.fillna(method='ffill', inplace=True)
print("\n✅ Missing values handled.")
```

```
Upload your ZIP file containing the dataset:
Choose files archive (4).zip
• archive (4).zip(application/x-zip-compressed) - 3687 bytes, last modified: 13/03/2025 - 100% done
Saving archive (4).zip to archive (4).zip
✅ Dataset extracted successfully!
Files: ['database.sqlite', 'Iris.csv']

✅ Data loaded successfully! Preview:
   Id  SepalLengthCm  SepalWidthCm  PetalLengthCm  PetalWidthCm      Species
0   1            5.1           3.5            1.4           0.2  Iris-setosa
1   2            4.9           3.0            1.4           0.2  Iris-setosa
2   3            4.7           3.2            1.3           0.2  Iris-setosa
3   4            4.6           3.1            1.5           0.2  Iris-setosa
4   5            5.0           3.6            1.4           0.2  Iris-setosa

✅ Missing values handled.
<ipython-input-1-8ca36ac6f706>:26: FutureWarning: DataFrame.fillna with 'method' is deprecated and will raise in a future version. Use c
  df.fillna(method='ffill', inplace=True)
```

Start coding or generate with AI.