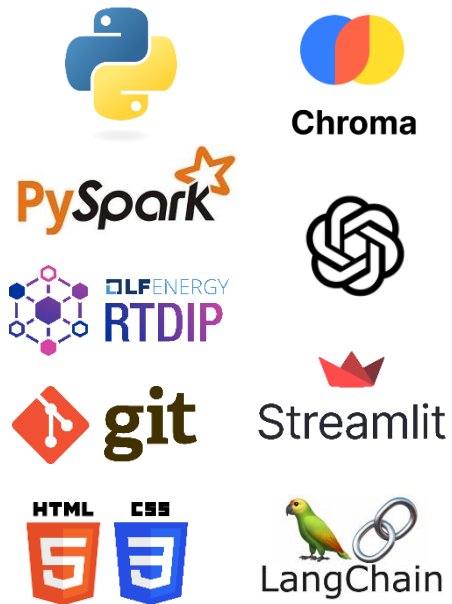


ChatRTDIP

The mission of the project, in collaboration with Shell and under the AMOS framework, is to develop a cutting-edge tool, user-friendly, that seamlessly blends chat AI technology with the robust data processing capabilities of RTDIP. The project is dedicated to creating a platform where users can effortlessly configure data pipelines using a conversational interface.



```
👤 How may I assist you today?

👤 I would like to use RTDIP components to read from SparkDeltaSource, transform using
PandasToPySparkTransformer, then write to SparkEventhubDestination, return python code

👤 Sure! Here is an example of using RTDIP components to read from SparkDeltaSource ,
transform using PandasToPySparkTransformer , and write to
SparkEventhubDestination :
```

```
from rtdip_sdk.pipelines.sources import PythonDeltaSource
from rtdip_sdk.pipelines.transformers import PandasToPySparkTransf
from rtdip_sdk.pipelines.destinations import SparkEventhubDestinat
from rtdip_sdk.pipelines.utilities import SparkSessionUtility

# Not required if using Databricks
spark = SparkSessionUtility(config={}).execute()

# Define the source
delta_source = PythonDeltaSource(
    path="path_to_delta_table",
    version=None,
    storage_options={
        "azure_storage_account_name": "your_azure_storage_account_",
        "azure_storage_account_key": "your_azure_storage_account_k
    },
    pyarrow_options=None,
    without_files=False
)

# Define the transformer
```

- ↗ Benefits for analyzing real-time sensor data:
- Accessible
 - Adaptable
 - Reducing the learning curve, time, and effort

