**STREAMLIT + GROG TUTORIAL**

1. Created Virtual Environment for the project with “.env”
   1. Understand what it is
2. Requirements for the project can be summed up in requirements.txt
   1. Streamlit
   2. Groq
3. Folder structure to be shared here.
4. Groq – to connect the LLM APIs
5. Streamlit – for UI
6. For installing requirements
   1. **Pip install –r requirements.txt**
7. If streamlit is successfully installed check by importing and displaying something:
   1. Like

import streamlit as st

st.header("Hello World!")

1. Also run by: **streamlit run app.py**
2. Now when it runs, we can add different components
3. Some headers and related components like

# Header and divider

st.header("Chatbot Playground", divider="violet") # we can also disable anchor by setting anchor=False

st.title(":violet[Welcome to Chat Playground App]", anchor=False) # title adds a title to the app, this is not like HTML title

st.subheader("Powered by Groq", anchor=False) # subheader adds a subheader to the app. Comes with similar text properties

1. We can easily add a sidebar as well

st.sidebar.title("Configurations")

1. Also need a **groq account**
   1. <https://console.groq.com/login>
   2. Generate API Keys for the project as well.
2. Do some session state settings like llm and messages.