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I have checked, learned through the provided reading materials, links for this Assignment.  
Below, I have mentioned my learnings from my recent working experience related to Git, Python, IDEs and related technologies used till date.

I have done the setup-up for VS Code and PyCharm Community Edition (Might try the Professional one as well). I will be using them in combination.

I have previously worked on Python trying out different IDEs and have earlier used PyCharm Free Community Edition and Jupyter Notebook to do some of my undergrad projects and coding practices.

I have stored my personal projects and coding practice which I did in my Undergrads in my GitHub profile… **https://github.com/Hrish-ProCoder**

My Related Work Experience with Python and Git (Excited to Share)

One of my client projects during my Job experience was in DAGs (Direct Acyclic Graph).  
Separate DAGs targeting different procedures were written in VS Code, integrating Hasura Mutation and logging my prompts and its respective Open AI’s response in Postgres. We needed to integrate the same in final database - Neo 4J, (which is a graph database).  
  
The All in DAG files were run using the AWS Apache Airflow and the response was stored in S3 bucket (as mentioned in the DAG file - production code needs no hard coding).  
It was a great Industry learning experience as well as a client meeting experience for me as a Data Science Enthusiast and a fresher.  
  
From the previous lecture, I could relate when you mentioned your previous work in Sustainability company and related terms. My client company who’s project I have described above comes under “Sustainability” and develops related products one of which I was a part of – “Sustain 360”  
Similar terms we had for example- Reducing carbon footprints for Chemicals, Processes and materials; Global Warning Potential (GWP); etc.  
  
Additionally, I had also done some research and development on Neo 4J Graph Data Science implementing Algorithms on the company dataset, checking for the accuracy and efficiency.  
  
I have used Azure DevOps for daily reporting and managing work items, so I am used to some of the important Git functionalities. I have also worked as a Frontend React Developer on some projects and have implemented Git functionalities like:  
1. Pulling data from Repository,   
2. Adding changes to the repository,  
3. Committing changes in the code,  
4. Merging the committed changes to their respective branch with other developers,  
5. I have also pushed the code to multiple branches like development and production,  
6. Faced and tried resolving several merge conflicts.

With some of these projects, I am excited to learn more in depth about the basics of programming, logic building which I may have missed and other technological insights.

Thank you,