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Note: Please complete all columns, specially the last two columns. Thank You.

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| --- | --- | --- | --- | --- |
| Day of week | Time of Day  From - To | Description of Activity | Individual or Group? | Duration |
| Monday | 2pm – 6pm | Parsed and analyzed compiled company summaries from CSV. Cleaned article text and finalized missing sentiment records. | Individual | 3 hours |
| Tuesday | 3pm – 6pm | Wrote Python code to extract keywords using TextBlob for all article summaries. | Individual | 3 hours |
| Wednesday | 11am – 3pm | Built Word doc generator in Colab using python-docx for keyword summary export. | Individual | 4 hours |
| Thursday | 10pm – 2pm | Validated company-level keyword clusters; cross-referenced with financial performance. | Individual | 3 hours |
| Friday | 12pm – 3pm | Updated .ipynb notebook with final code; tested reproducibility on Google Colab. | Individual | 4 hours |
| Saturday | 2pm – 6pm | Compiled full report using sentiment and keyword data; wrote narrative insights. | Individual | 3 hours |
| Sunday | 9am – 12pm | Finalized .docx export, zipped the results, and uploaded project to GitHub. | Individual | 5 hours |

1. Comments:

This week’s focus was on completing the **company-level keyword summarizer** that detects positive or negative stock sentiment based on news article text. I developed a fully working pipeline in Python using TextBlob, NLTK, and python-docx, which automatically exports keyword summaries to a formatted Word document. Reproducibility and export accuracy were verified in Colab, and the code was uploaded to GitHub.

1. External Help:
2. ChatGPT (coding guidance)
3. Yahoo Finance (news + prices)
4. NLTK, TextBlob (sentiment + tagging)
5. python-docx (Word export)
6. Please list the link of any external materials you have used to assist you with your course project. This could be Youtube link, LinkedIn links, etc.

<https://finance.yahoo.com>   
<https://www.nltk.org>   
<https://chat.openai.com>   
<https://python-docx.readthedocs.io>

1. What was your contributions to the course project?

I finalized a keyword summarization engine for over 100 companies, handled data cleaning, article matching, keyword extraction, sentiment classification, and automated document generation. I built and validated the. ipynb pipeline in Colab and pushed updates to our GitHub repository.