

Day 5

- Python REST:

- Call any one of the open APIs from <https://any-api.com> and write the output in a CSV file.

Day 6

- Python File Handling:

- Write a script to perform merge, split, crop with custom dimensions, tilt a page with custom angle, conversion of PDF into JPEG and vice versa.
- How to Write Beautiful Python Code:
 - Coding standards & tests (PEP-8 Tutorial).

Day 7

- Python Metrics:

- Demonstrate Precision, Recall, F1 Score, BLEU Score, AUC/ROC, PRC, Character/Word/LA error rate.

Day 8

- Python Metrics (Continued):

- Continue demonstrating various metrics.

Day 9

- Python Encoding and Decoding:

- Learn about all Unicode & character encoding and decoding mechanisms and implement them in a script without losing any data while handling a file.
- Try UTF-8, UTF-16, UTF-32, UTF-8 BOM encoding.
- Take at least one or two pages of Japanese, Spanish, Italian, Russian, French, Chinese, etc., read the files, write them in other files, and check if the text is coming out correctly.

Day 10

- Data Analysis:
 - MS-Excel:
 - Formatting & basic formulas
 - Mouse-free Excel navigation
 - Vlookups & conditional statements
 - Data analysis functions - filtering, sorting, and analyzing data
 - Data visualization - tables, charts, and dual axis charts
 - What-if analysis
 - Pivot tables

Day 11

- GCP Basics:
 - Access storage (Get/Put/List) through a service account.

Day 12

- GCP Basics (Continued):
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Continue learning about GCP basics.

Day 13

- GCP Basics (Continued):
 - Create and access Compute Instance.

Day 14

- GCP AI/ML:
 - Find the sentiment of the given text using Natural Language AI using the Python Library.