

# Journal

---

## October 10 - 11, 2024

- Researched how to use both images and text together for medical diagnosis.
- Learned about ResNet and BERT, two models used for working with images and text.

## October 18 - 19, 2024

- Studied different ways to combine image and text information and chose a simple method.
- Collected datasets, including medical images and related text descriptions.

## October 25 - 26, 2024

- Cleaned and prepared the text data for analysis.
- Set up ResNet50 to work with medical images.

## October 31 - November 1, 2024

- Used BERT to process and understand text data.
- Combined the outputs of ResNet and BERT into one model.

## November 9, 2024

- Organized the data to make it easy for the model to use.
- Improved image data with techniques to make the model more reliable.

## **November 14, 2024**

- Tested the model with a small amount of data to see how well it works.
- Checked results to find areas for improvement.

## **November 22-23, 2024**

- Made adjustments to improve the model's accuracy.
- Created summaries and visuals to explain the work done.