ML Assignment - Supervised Regression

Problem Statement :
Using Deep Learning techniques, predict the coordinates (x,y) of a pixel which has a value of 255 for 1 pixel in a given 50x50 pixel grayscale image and all other pixels are 0. The pixel with a value of 255 is randomly assigned. You may generate a dataset as required for solving the problem. Please explain your rationale behind dataset choices.

Submission:

- Share your code in a notebook with train logs and graphs showing ground truth and predicted coordinates. Show any result you might find useful.
- Include any necessary dependencies and installation instructions.
- Ensure the code follows PEP8 and includes comments where necessary.
- Submit the assignment via a Git repository or a compressed file.

Evaluation Criteria:

- Functionality: Does the approach used meet the specified prediction requirements?
- Approach is more important than accuracy.
- Code Quality: Is the code well-organized, readable, handles errors and maintainable?
- Does the model do the job as expected?

Please submit your responses within 2-3 days once you receive the assignment.

Feel free to ask for any clarifications you need.