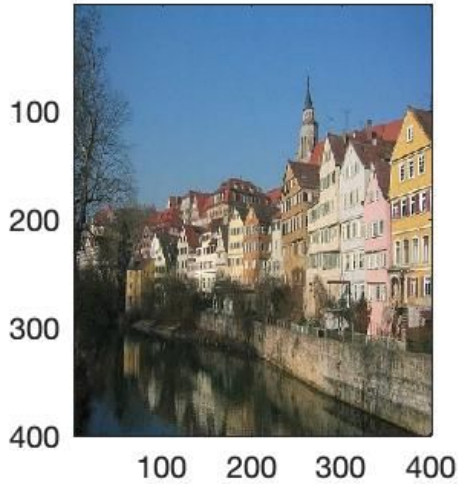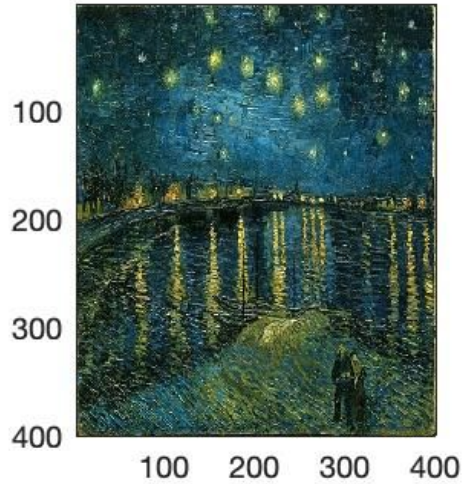# CS 663 - Project Report

- Syamantak Kumar 16D070025
- Kartik Khandelwal 160070025
- Sushil Khyalia 160050035
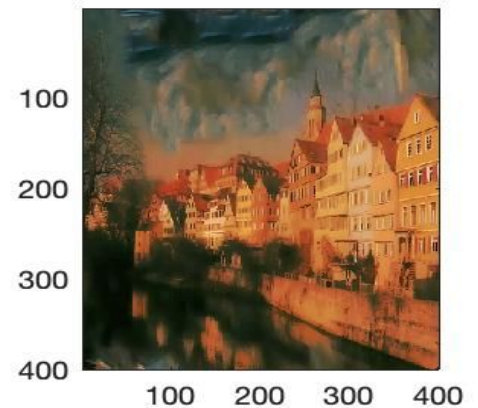
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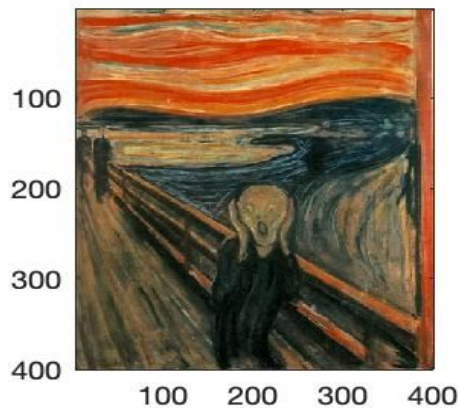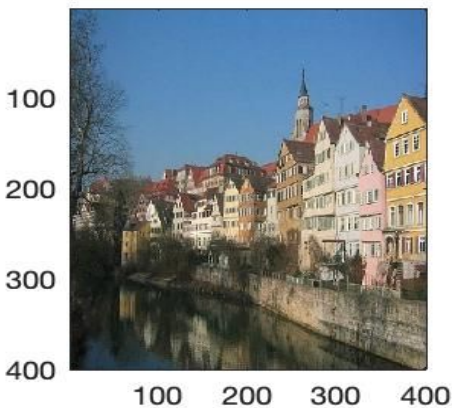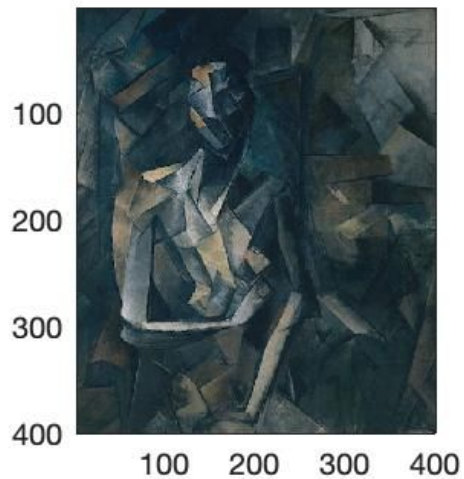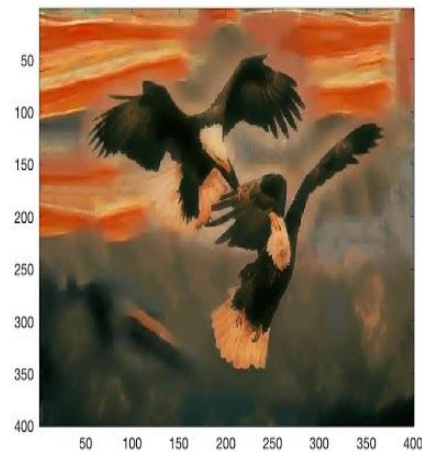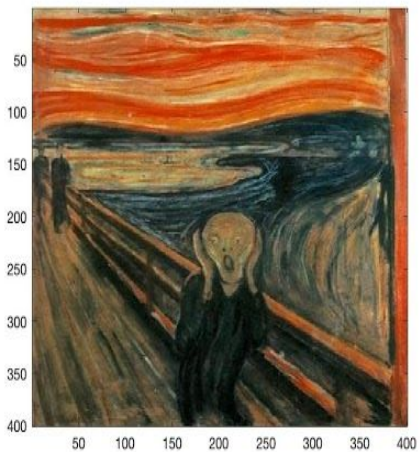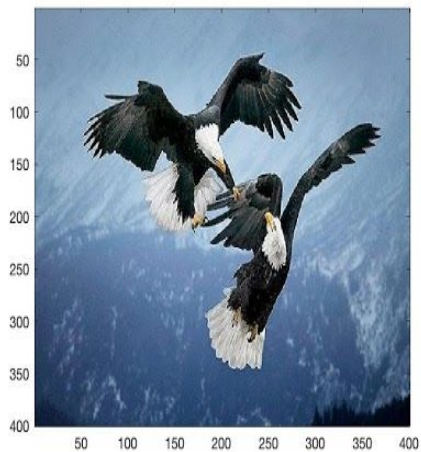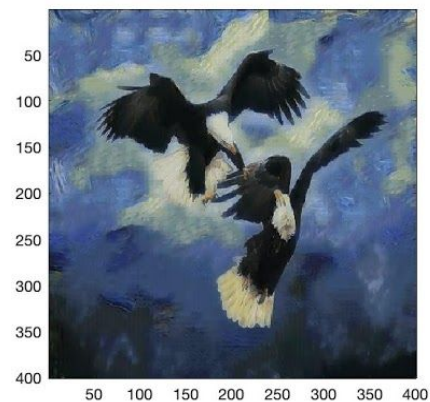
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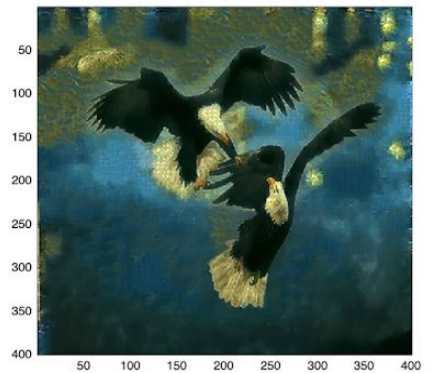
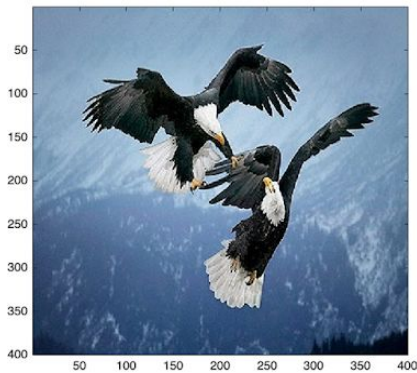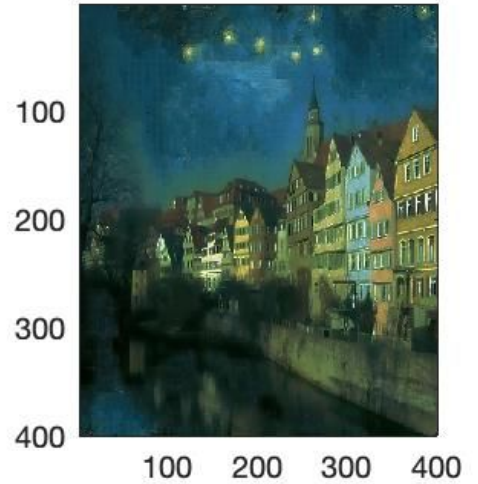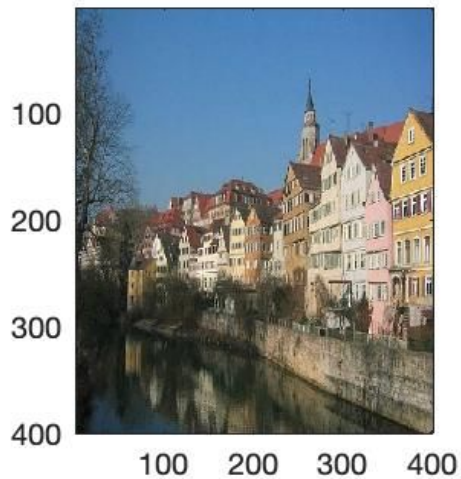**CONTENT IMAGE**　　　　**STYLE IMAGE**　　　　**STYLE-TRANSFER**
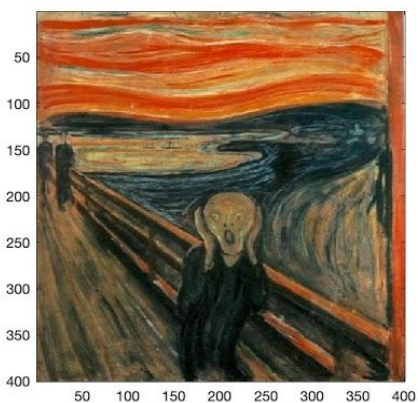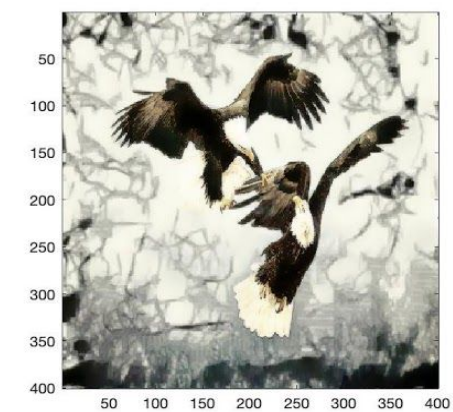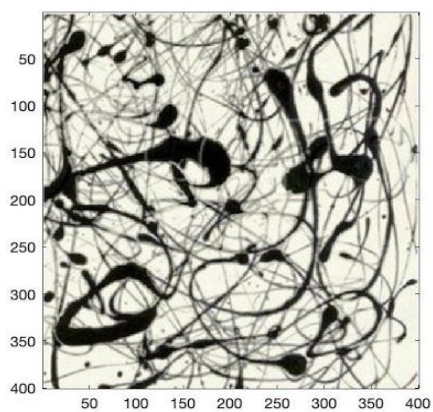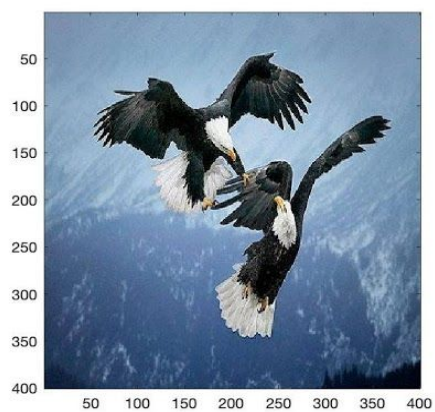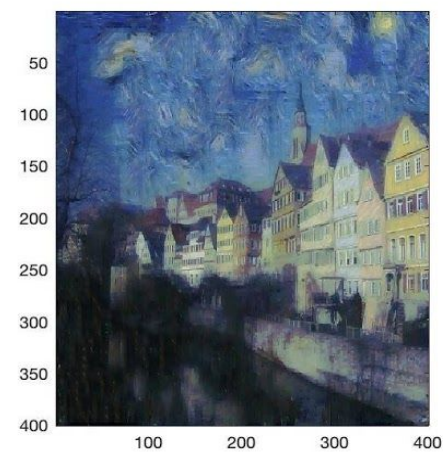
CONTENT IMAGE   STYLE IMAGE   STYLE-TRANSFER
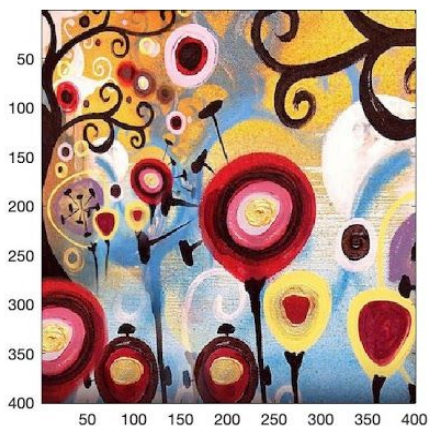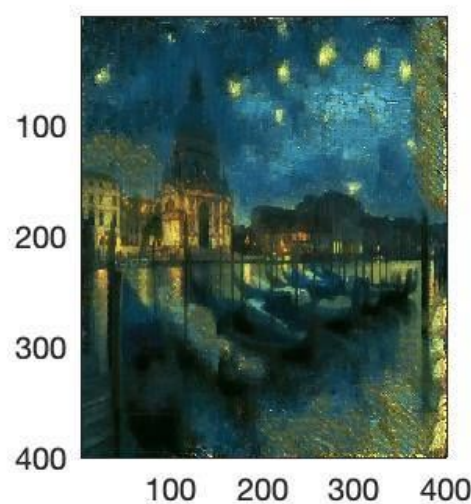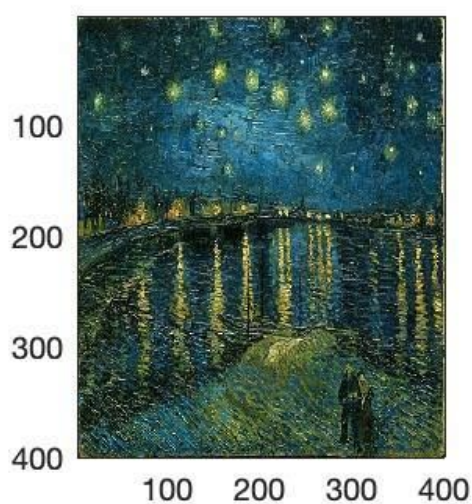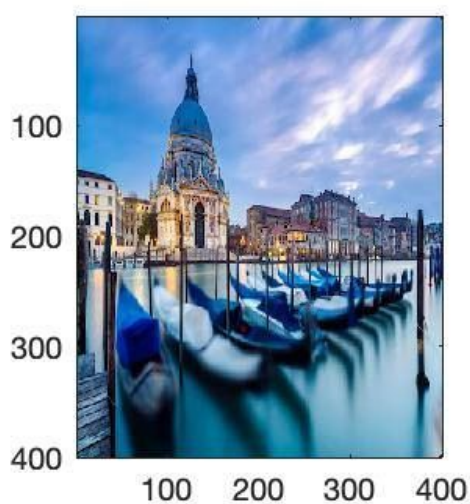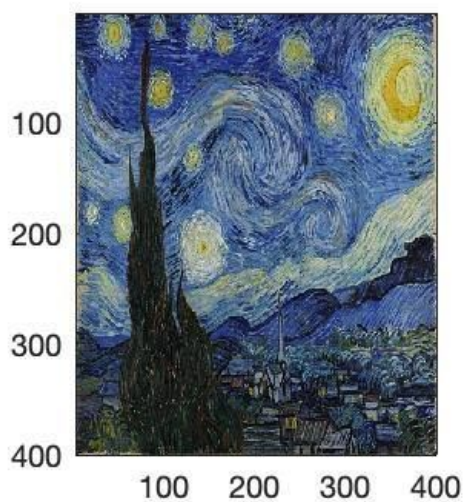
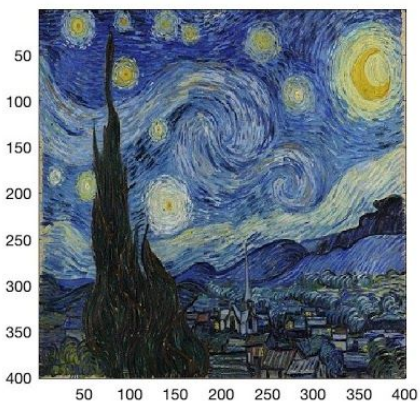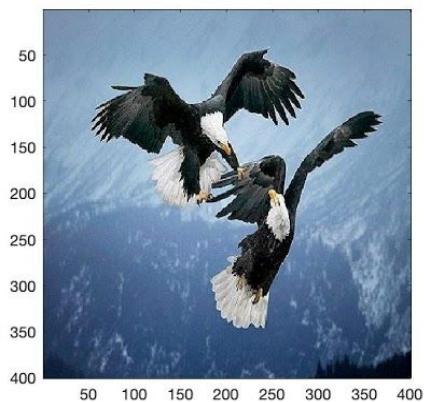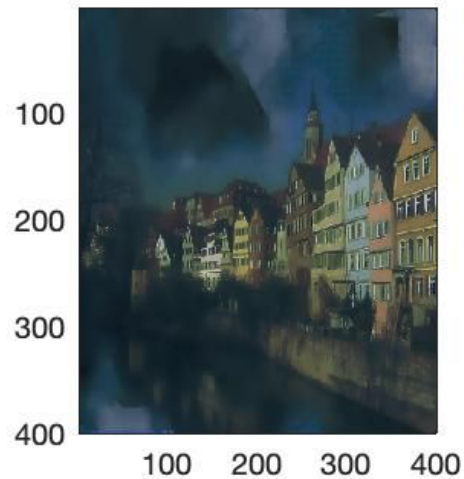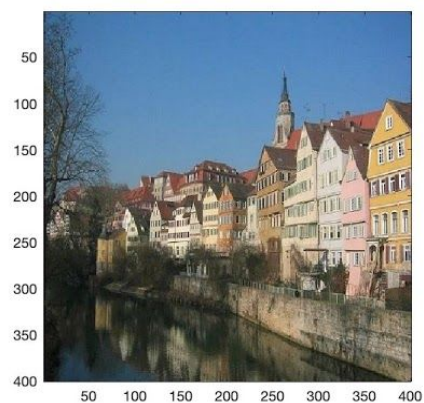**CONTENT IMAGE**   **STYLE IMAGE**   **STYLE-TRANSFER**
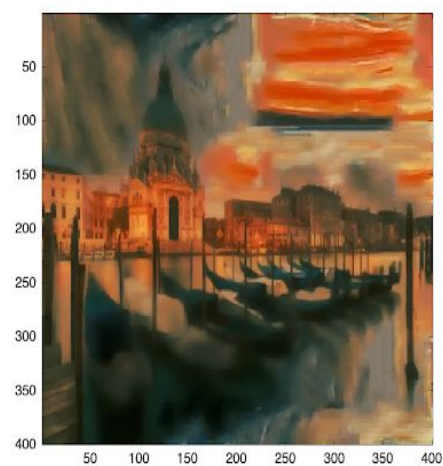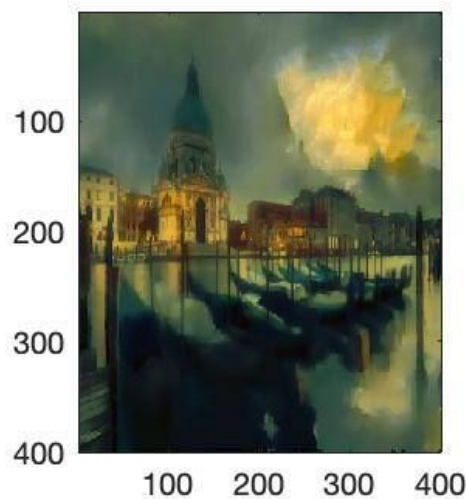
Parameter Tuning

These parameters can be tuned so as to produce better results which seem more appealing to the user:
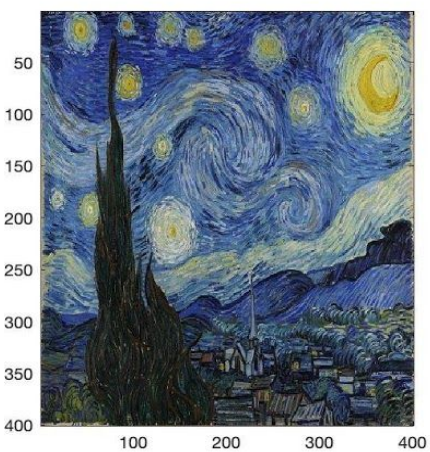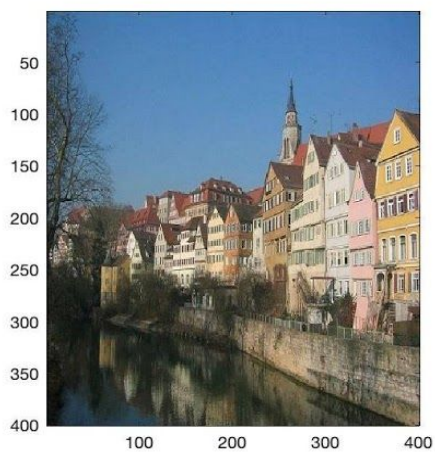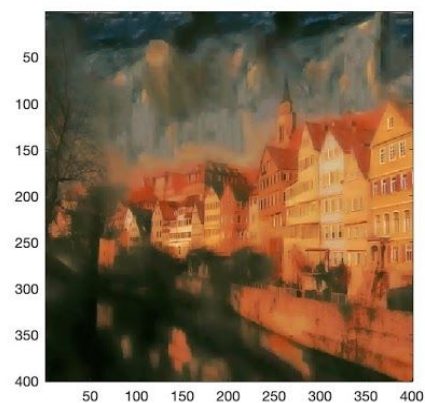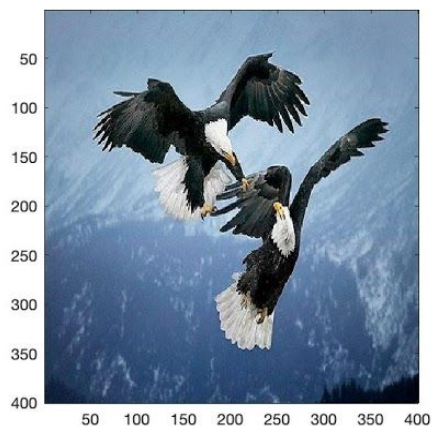
- Number of resolution layers
  - This is the level of layers present in the gaussian pyramid
- Patch Sizes = [36;22;13;9]
  - The different patch sizes considered for patch-matching
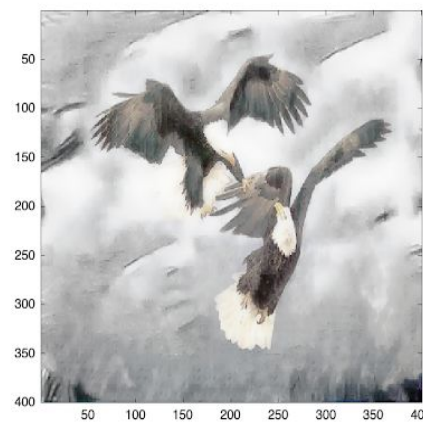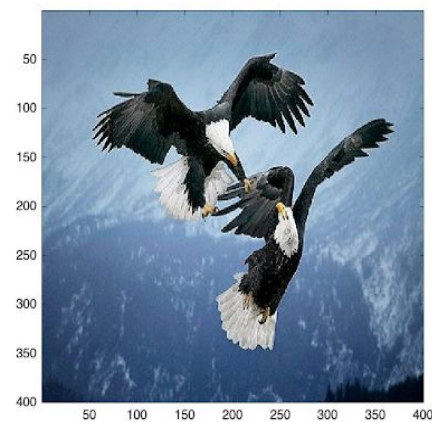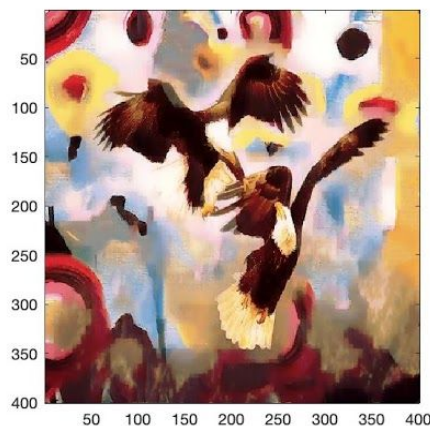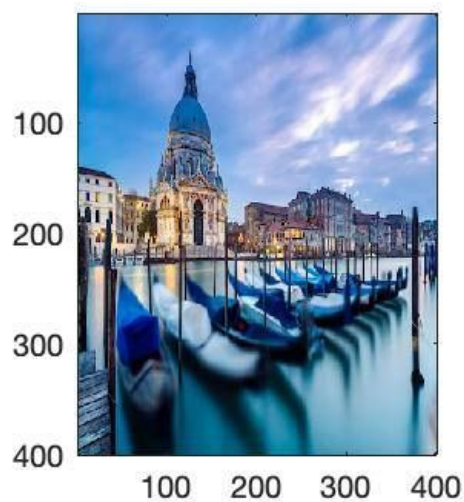- Sub_sampling_gaps = [28;18;8;5]
  - The different gaps between the sampled patches
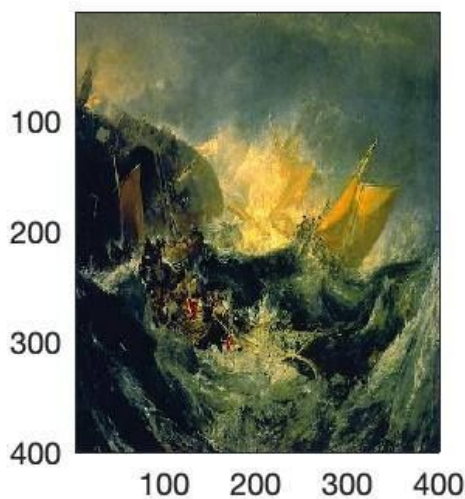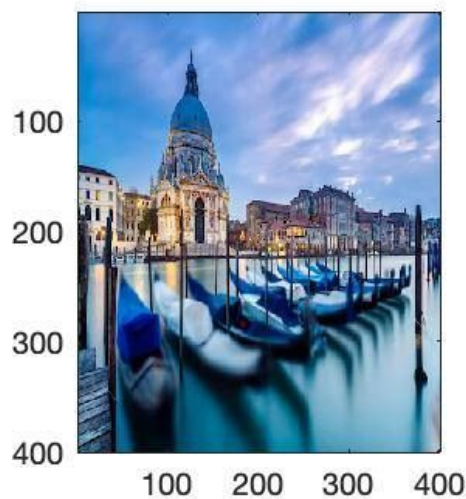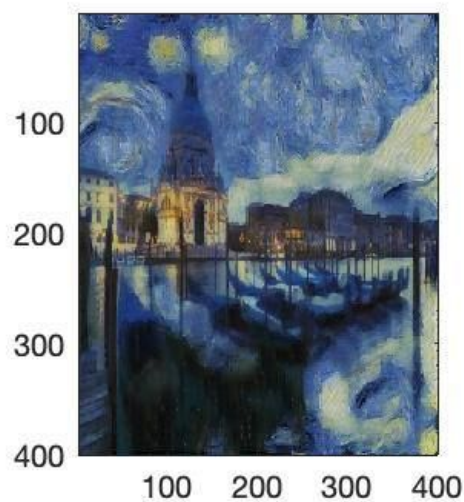- Number of IRLS iterations = 5
  - Number of iterations of the IRLS (Iterated Reweighted Least Squares) Algorithm
- Number of Update Iterations per patch-size = 3
- Robust statistics value to use = 0.8

Failure Cases