Assignment 1: My First Report in Computer Vision

Bareaa Joudi
email@address
202401695

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email@address
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Abstract

The abstract is a short summary of the work to be presented in the report. You can mention the main results and your approach. Let the reader know how successful do you think you were in completing this task. Feel free to say things like:

- We couldn't manage to solve the problem!
- We implemented the method ... and managed to fully solve the problem. See the results in 3
- We partially implemented the solution (around 50%) but were unable to make it work.

1 Problem Statement

- Define the problem(s) being solved.
- Clearly state the input, expected output, and evaluation criteria.

2 Methodology

- Algorithms and Techniques: Describe the methods implemented (e.g., Sobel operator, ...).
- Libraries/Tools Used: If relevant, mention the tools and libraries used.
- Implementation Details: Provide high-level details, flow diagrams, or key implementation steps.

3 Results

Include brief discussions about the results. Present the results using visualizations, Tables for quantitative results, images, etc.

3.1 Discussion

What went right and what didn't? Analyze the results. Here you can discuss

- Strengths and weaknesses of the approach.
- Key observations or unexpected outcomes.
- Challenges faced during implementation.
- Suggest potential improvements or extensions.

3.2 Code

https://github.com/brj01/testproject

3.3 Large Files

Provide links to any large files, including videos, images, etc., here. **DO NOT UPLOAD LARGE FILES TO YOUR GITHUB REPOSITORY.**

4 Conclusion

Summarize the key findings and highlight what you have learned.

5 Contributions

List the contributions made by each student if it's a group assignment.

6 Motivation

One of the reasons I took up this Course because 1- it seemed very interesting and fun 2-After Seeing the syllabus I knew that i will gain alot from this course and also learn alot outside of the course's scope 3-I want to pursue NLP in the future and I feel like this will add more to my portfolio

Student Declaration

Have you used any generative AI tools to complete this work: YES □ NO ■

Details: Example: I used ChatGPT to debug my convolution implementation

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