



Abstract - Melanoma is a severe form of skin cancer that requires early detection to improve survival rates. In this study, we propose a machine learning-based system to detect melanoma using dermatoscopic images. Our system leverages deep learning architectures, including AlexNet, ResNet50, VGG16, and VGG19, integrated with a Flask web application for real-time detection. Data augmentation techniques like Albumentation were used to enhance the dataset, while exploratory data analysis (EDA) helped in understanding the data distribution. Our model achieved an accuracy of 94%, outperforming traditional methods. Keywords: Deep learning, Melanoma, AlexNet, ResNet50, VGG16, VGG19, Flask,... (only first 800 chars shown)



Analysis complete. Our feedback is listed below in printable form. Some of the items have been truncated or removed to provide better print compatibility.

Plagiarism Detection

Original Work

Originality: 75%



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Word Choice

Usage of Bad Phrases

Bad Phrase Score: 0.89 (lower is better)

The Bad Phrase Score is based on the quality and quantity of trite or inappropriate words, phrases, egregious misspellings, and cliches found in your paper. You did equal or better than **97%** of the people in your grade.



Congratulations - your writing exhibits some high quality phrases. Keep it up!

Style

Usage of Transitional Phrases

Transitional Words Score: 52

This score is based on quality of transitional phrases used within your paper. You did equal or better than **28%** of the people in your grade.



Your usage of transitional phrases is below average. Please review the writing tips below.

One sign of an excellent writer is the use of transitional phrases (e.g. therefore, consequently, furthermore). Transitional words and phrases contribute to the [cohesiveness](#) of a text and allow the sentences to flow smoothly. Without transitional phrases, a text will often seem disorganized and will most likely be difficult to understand. When these special words are used, they provide organization within a text and lead to greater understanding and enjoyment on the part of the reader.

The following transitional phrases were found in your document:
and, especially, finally, however, for instance, particularly, although

Consider using additional transitions where appropriate:

- [consequently](#)
- [moreover](#)
- [nevertheless](#)
- [notwithstanding](#)
- [accordingly](#)
- [conversely](#)
- [ordinarily](#)

These words and phrases fall under a few grammatical categories:

- Conjunctions: *but, provided, and, although*
- Prepositional phrases: *in addition to, in conclusion*
- Adverbs: *also, however, nevertheless*

Consider this example:

She didn't like the pudding and, **consequently**, threw it all away.

The word '**consequently**' contributes to greater unity or cohesion between sentences and allows the text to flow more smoothly.

Style

Sentence Length Info

Total Sentences: 130

Avg. Length: 11.9 words

Short Sentences (< 17 words): 92 (71%)

Long Sentences (> 35 words): 1 (1%)

Sentence Variation: 7.9 words (std deviation)



You seem to be utilizing a lot of short sentences. Try [varying your sentence length](#) between simple and complex.

Line chart of the length of each sentence (first 50 sentences). A jagged chart indicates variation.



Helpful Resources:

- [Effective Use of Sentence Length](#)

Vocabulary Words

Usage of Academic Vocabulary.

Vocabulary Score: 435.94

This score is based on the quantity and quality of scholarly vocab words found in the text. You did equal or better than **95%** of the people in your grade.



Vocabulary Word Count: 141

Percentage of Vocab Words: 11.74%

Vocab Words in this Paper (top 20):

generalizability, leverages, repositories, integrates, epochs, epoch, divergence, mitigate, inclusive, integrating, practitioners, architectures, integrated, augmentation, enhance, exploratory, analysis, distribution, considerable, primarily



Great work! Your paper scored well above average for the vocabulary category. Why don't you check out our [Vocab Builder](#) to keep your skills sharp.

Tips

Whether you are writing for a school assignment or professionally, it is imperative that you have a vocabulary that will provide for clear communication of your ideas and thoughts. You need to know the type and level of your audience and adjust your vocabulary accordingly. It is worthwhile to constantly work at improving your knowledge of words. To help with this task, please consider using our [Vocabulary Builder](#) to improve your comprehension and usage of words.