Plagiarism Detection System

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Abstract: *Plagiarism is a significant issue in academic, research, and professional writing, undermining originality and ethical standards. This Plagiarism Detection System is designed to address this challenge by providing an efficient, accurate, and user-friendly solution for detecting similarities in textual content. Using N-gram analysis and Cosine Similarity, the system identifies exact matches, paraphrased content, and partial similarities, ensuring a comprehensive evaluation of documents. Users can upload text files, manually input content, or use a voice-to-text feature for plagiarism detection, making it accessible to a wide range of users, including students, educators, and content creators. The system generates detailed reports, highlighting the plagiarized sections, their similarity percentage, and possible sources while ensuring data security and user privacy. It is built with a focus on efficiency, accuracy, and usability, minimizing false positives and improving the reliability of results. The platform's intuitive interface allows for easy navigation, while its real-time processing enables quick analysis of large documents. This system not only helps users maintain academic integrity but also fosters ethical writing practices in professional and educational environments. Future enhancements may include multilingual support, and integration with large-scale databases to improve accuracy and expand its applicability across diverse fields*

Keywords: Plagiarism, N-gram analysis, Cosine Similarity, Text Processing, Academic Integrity