

# AI Content Detector

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**Abstract:** *The rise of AI-generated content from models like ChatGPT challenges academic integrity and raises plagiarism concerns. This study examines AI detection tools, revealing better accuracy with GPT-3.5 than GPT-4 but noting false positives with human-written text. This highlights the need to refine these tools as AI content advances. The study aims to build a machine learning model to improve content authenticity for educators, journalists, and moderators. Using Python, Jupyter Notebook, VS Code, Transformers, and Torch, it will leverage RoBERTa for enhanced accuracy on a balanced dataset.*

**Keywords:** AI content detection, AI plagiarism checker, Artificial intelligence detection , AI text classification

