

# An Effective Semantic Code Clone Detection Frame Work using Pairwise Feature Fusion

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**Abstract:** *This paper presents the design, implementation, and evaluation of an advanced website cloning tool developed to address the growing need for efficient web archiving solutions. The tool enables users to create local copies of websites with their original structure and assets intact, supporting various use cases including offline access, web development, digital preservation, and comparative analysis. Through a systematic approach to web crawling, content extraction, and resource management, the system offers configurable crawling depths, selective asset downloading, and support for dynamic content rendering. The implementation leverages modern web technologies including Next.js, React, and Node.js to create a responsive and intuitive user interface. Evaluation results demonstrate the tool's effectiveness in accurately cloning diverse websites while maintaining performance and scalability. This paper contributes to the field of web archiving by providing insights into the technical challenges and solutions for comprehensive website preservation in an increasingly complex web ecosystem.*

**Keywords:** Artificial Intelligence

