

Research and development of an automatic case law retrieval system based on Hybrid Retrieval architecture and specialized language models

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Abstract: In the context of the increasing volume of legal documents, automating the process of case law retrieval has become an urgent requirement. This study proposes building an automatic case law retrieval system based on a Hybrid Retrieval architecture and a specialized language model to enhance search performance and result accuracy. The research methodology includes both theoretical and experimental approaches, with the ultimate goal of providing a useful solution for scientists, lawyers, and judicial work. The expected results will contribute significantly to the field of natural language processing (NLP) and legal support.

Keywords: Hybrid Retrieval, Case law query, Specialized language model, Natural language processing, Legal information system