

UNI BILL: A Multilingual Invoice Extraction System

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Abstract: *This review surveys recent advances in multimodal generative models for document intelligence, focusing on the conceptual design of UNI BILL, a Gemini-centric multilingual invoice extraction framework. We examine the shift from rule-based parsing toward generative, multimodal large language models (LLMs) capable of joint visual and textual reasoning. The paper provides an extensive critical analysis of Gemini's architecture and capabilities, compares it with contemporary outlines practical considerations for enterprise adoption, privacy, and Future research directions. By synthesizing state-of-the-art literature and proposing a conceptual workflow.*

Keywords: Generative AI, Gemini, Multilingual Extraction, Invoice Automation, Large Language Models, Document Intelligence, Prompt Engineering

