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# Google Data Extractor for Structured Web Intelligence Using Java and React

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**Abstract**: *In today's data-driven landscape, web intelligence plays a crucial role in empowering businesses and researchers with timely and structured information. This paper presents a Google Data Extractor—an automated system built using Java and React—designed to retrieve structured data from Google search results and associated web content. By combining web scraping methodologies with optional Google Search API integration, the tool simplifes data acquisition while ensuring accuracy and speed. Key modules include search automation, content fltering, database storage, and multi-format export functionality. The system supports real-time processing and scheduled scraping, making it suitable for use in marketing analytics, academic research, and competitive monitoring. This research outlines the system design, methodology, implementation, and discusses the tool's implications for scalable data extraction in a legal and ethical framework.*

**Keywords**: Google Data Extractor, Web Scraping, Java, React, Data Automation, Search API, Structured Information Retrieval



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