AI Research Paper Analyzer

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Abstract: *AI Research Paper Summarizer is a Web Application powered by Artificial Intelligence that aims to streamline the analysis of Research papers. With the help of Gemini AI, users can upload pdfs and obtain AI-generated summaries of Important sections such as the Abstract, Introduction, Methodology, Results and Discussion. The tool not only identifies areas where further research is needed but also offers suggestions for future studies and provides explanations of important concepts to enhance comprehension. Utilizing cutting-edge web technologies like React, Typescript, Vite and Tailwind CSS, this web application provides an interactive and responsive user experience, enriched by dynamic framer motion animations. The platform efficiently facilitates academic research, but it recognizes the necessity for enhancements in API key security, Rate-limiting and Authentication, which will be addressed in upcoming updates. This project emphasizes the significance of generative AI in academic assistance, with the goal of enhancing scholarly work accessibility and making a valuable contribution to academic discussions..*

Keywords: Artificial Intelligence, Research Paper Summarization, Gemini API, Academic Text Simplification, AI-powered Research Assistant