Universal Prompt Engine: A Web-Based AI Prompt Generation System

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Abstract: *Artificial Intelligence (AI) has significantly transformed modern technology fields such as content creation, education, and software development. However, creating effective prompts for AI systems can be challenging for beginners. Prompt engineering requires proper structure and understanding of how AI interprets instructions.*

The Universal Prompt Engine is a web-based platform designed to simplify prompt creation and AI interaction. The system enables users to generate structured prompts from keywords, convert images into descriptive prompts, and generate images from text prompts in different styles such as Realistic, Anime, Digital Art, 3D Render, and Illustration.

The platform also includes additional features such as chatbot assistance, saved prompts, dashboard management, search functionality, notifications, and user authentication. The application is developed using HTML, CSS, and JavaScript, providing a user-friendly interface accessible through a web browser. This system helps beginners and developers interact with AI tools more effectively and improves productivity in prompt creation..

Keywords: Artificial Intelligence, Prompt Engineering, Image-to-Prompt, Prompt-to-Image, Chatbot, Web Application.