ABSTRACT

This work focuses on creating a multimedia guide for generating images using the locally operated artificial intelligence model Stable Diffusion. The work is divided into theoretical and practical parts. The theoretical part summarizes the basic principles and technologies of artificial intelligence used in image generation, including a comparison of cloud-based and locally operated tools. Emphasis is placed on the Stable Diffusion software with the Easy Diffusion installer and user interface. The practical part involves creating a website with video tutorials that guide users through the installation and use of Stable Diffusion and Easy Diffusion. The result is a comprehensive guide that enables users, especially university students, to effectively utilize image generation technology on local devices. The guide is designed to facilitate users' work with these tools step by step and to introduce them to the functioning of artificial intelligence in the field of graphic creation.

KEYWORDS

Artificial intelligence, image generation, graphics, Stable Diffusion, Easy Diffusion, video tutorial, deep learning