ASDetect: Detecting Early Signs of Autism Spectrum Disorder Using AI-Based Facial Recognition Techniques

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This project introduces an Artificial intelligence powered web application designed to assist in the early detection of Autism Spectrum Disorder (ASD) through facial expression analysis. Using a convolutional neural network (CNN), the system captures and evaluates facial expressions to provide real-time predictions. The user-friendly web app allows caregivers and professionals to easily capture images and receive instant feedback. Additionally, a stuffed toy equipped with a built-in camera and the same AI model offers a child-friendly approach to screening, making the process more natural and less intimidating. By integrating AI with accessible technology, this project makes a significant impact on the world.

Awards Won: