



Image Processing Course Project

Title: Gesture Volume Control

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Problem Definition:

Gestures play a significant role in human communication and are increasingly integral to Human-Computer Interaction (HCI) technologies. These evolving HCI systems enable users to convey instructions to machines through hand movements, facial expressions, voice commands, and touch interactions. Gesture recognition has become a focal point of research in fields such as computer vision, pattern recognition, and HCI. The primary objective of this research paper is to explore the utilization of hand gestures as a vital mode of machine control. In this pursuit, OpenCV libraries are employed to address the challenges associated with gesture recognition in the context of Human-Computer Interaction