

# PC Automation using Hand Gestures using Machine Learning

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**Abstract:** Pattern recognition and Gesture recognition are the developing fields of research. Hand gestures can add another dimension to contactless computer operating. Hence in this project, we develop a software which presents a system prototype that is able to automatically recognize gestures and runs pc commands for particular gestures. We are using python to develop our solution by using the integrated modules like cv2(OpenCV(cv2)-Open source computer vision is a library of programming functions mainly aimed at real-time computer vision.) and Mediapipe(detects hand and fingers data points.)

**Keywords:** Mediapipe, OpenCV, Human Computer Interaction(HCI), Fingers, Gestures

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