

EYE (i) ROBOT: AI-Driven Approach to Home Assistants

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ABSTRACT

A technological invention, called smart home assistant, originally held the potential to improve quality of life. However, the idea was long buried by the masses due to its underlying unreliability. Hence, EYE (i) ROBOT serves as an AI-Driven solution to home assistants. Feature includes automatic speech recognition, face recognition, home automation and home monitoring. Made to offer a better solution than existing home assistants in the market. The goal is to create a home assistant that is reliable, natural-like, and capable of securing private spaces. This can be achieved by utilising various Artificial Intelligence (AI) technologies. Findings shows that EYE (i) ROBOT is able to identify humans. Moreover, it is able to control a smart light within reasonable timeframe. That being said, EYE (i) ROBOT is targeted for building owners whether it's a house or office, seeking security and assistance within their private spaces. In conclusion, EYE (i) ROBOT is a further step towards our mission to benefit humanity.

Keywords: artificial intelligence; raspberry pi; python