HOME SECURITY APPLICATION

ABSTRACT:

The integration of Artificial Intelligence (AI) into home security applications has revolutionized the way we perceive and manage residential safety. AI-powered home security applications bring forth an unparalleled level of sophistication, intelligence, and responsiveness in monitoring and safeguarding our homes. These applications leverage advanced machine learning algorithms to detect and respond to potential threats in real-time, offering a proactive approach to home security. In this application, we introduce SecureHome, an innovative home security application that embodies the potential of AI to augment the security measures of modern households. SecureHome combines cutting-edge technologies, smart sensors, and intelligent algorithms to create a robust and intuitive security system that ensures the safety and peace of mind of homeowners. This application explores the architecture, features, and advantages of SecureHome, illustrating how AI has been leveraged to enhance home security and create a safer living environment for individuals and families. With the increasing prevalence of smart home technologies, ensuring the security and privacy of homes has become a critical concern. SecureHome combines various features, including real-time monitoring, intelligent alarm systems, remote control, and user-friendly interfaces. The application utilizes smart sensors, cameras, and machine learning algorithms to detect and respond to potential threats effectively. The goal of SecureHome is to provide homeowners with a comprehensive and intuitive solution to monitor and safeguard their homes, ultimately contributing to peace of mind and a more secure living environment.

Vision-based security systems have the advantage of being easy to set up, inexpensive and nonobtrusive. Here, a security system has been developed that uses sensors to detect any security violation and sends out the alert signal by high intensity Buzzer.This is a Home security system for detecting an intrusion into a monitored area by an infrared detector, a password based entrance and a temperature sensor. It has a free-standing intrusion detector. The free standing intrusion detector has a transmitter coupled with a portable receiver to alert a homeowner that an intrusion has taken place or if there are is some risk of fire inside the house to give a very smart solution for the home security.This system protects the houses from unauthorized entry of any unknown . This system works on two high level security passwords. These passwords work as the key to authorization and only the person which is aware of these passwords would be able to unlock the door. This system could also be unlocked by the mobile phone by the owner. Whenever, there will be any unauthorized person then this system will send a message to the owner about the situation. This system will boost the level of security in Homes.

REFERENCES:

- www.scribd.com
- www.researchgate.net