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IoT DEVICE DESIGN CHALLENGE

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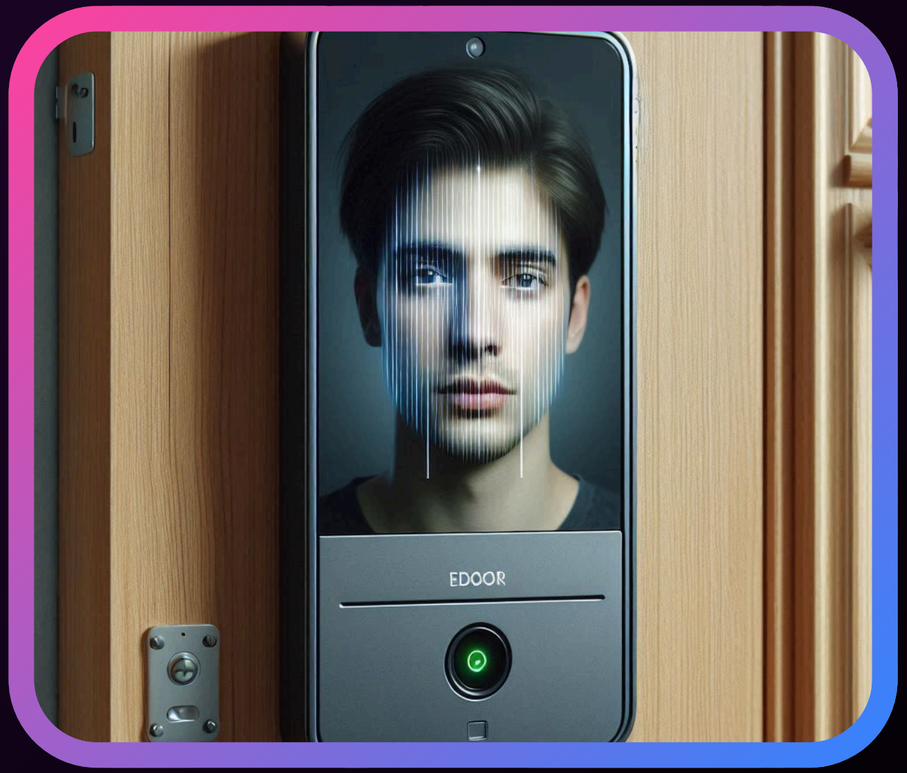
SmartGuard AI

AI Facial Recognition

SmartGuard uses facial recognition to identify family members and alert you if an unknown person is detected. It can lock doors, trigger alarms, and notify authorities for added security. Connected via Wi-Fi and Bluetooth, it ensures 24/7 home protection.



How it works?

Functionality:

REAL-TIME MONITORING

Detects movement using AI-powered sensors and captures live video.

FACIAL RECOGNITION

Identifies known family members and alerts users if an unknown person is detected.

INSTANT ALERTS

Sends notifications and video footage to the user's smartphone in case of suspicious activity.

EMERGENCY RESPONSE

Connects with local police or security services automatically.

SMART HOME INTEGRATION

Works with smart locks, lights, and alarms to create a full security system.

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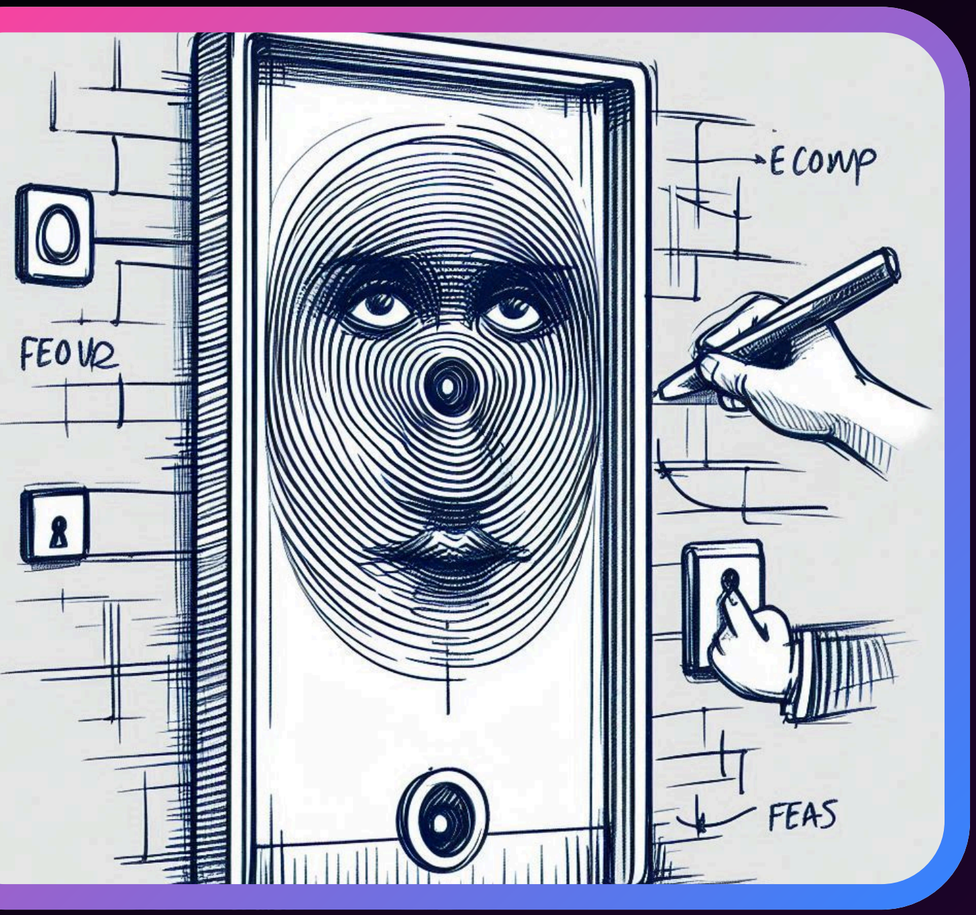

SmartGuard – Smart Home Security

Features:

Facial Recognition – Identifies family members and detects unknown visitors.
Instant Alerts – Sends real-time notifications to your phone.
Smart Lock Control – Automatically locks doors for security.
Alarm Activation – Triggers sirens and warning lights if a threat is detected.
24/7 Monitoring – Live video streaming and motion detection.
Emergency Contact – Notifies authorities in case of suspicious activity.
Smart Home Integration – Connects with Wi-Fi, Bluetooth, and other smart devices.

INTERNET CONNECTION & DEVICE INTERACTION:

WI-FI & CLOUD STORAGE

Stores and processes face data securely while allowing remote access via an app.

SMART HOME INTEGRATION

Connects with smart locks, lights, and sirens for an automated security response.

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THANK YOU

NEIL ALFEREZ