

Facial Recognition Home Security Automation Demo 2

Built by:

Harmit Badyal
Miraj Patel
Kaushal Parikh
Nikunj Jhaveri
Nirav Patel
Kaavya Krishna-Kumar
Andrew Russomagno
Abhishek Kondila
Sagar Shah
Ashwin Suresh

Why?

- Security should never be obtrusive
- Create an intuitive system that leads to no worries with minimal user input

Utilize Facial Recognition to make everyday home use simple, and have a mobile app to adjust for changes to routine



Features

Ease

Recognized face approaches front door

- Arducam sends image to database through Arduino Base Unit
- Captured Image matches library of recognized faces
- Alarm not engaged

Secure

Unrecognized face approaches front door

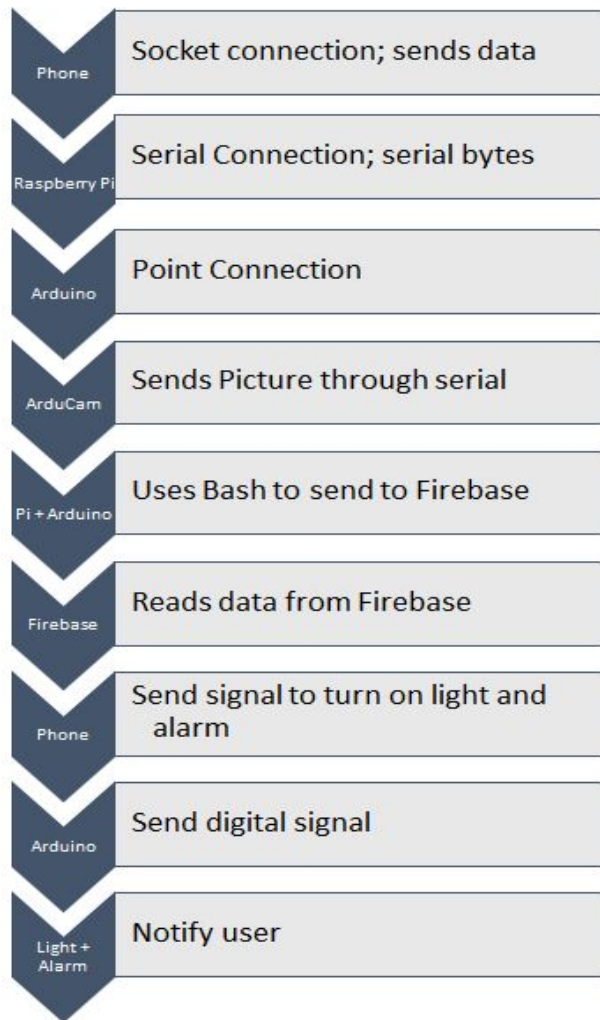
- Arducam sends image to database through Arduino Base Unit
- Captured Image does not match library of recognized faces
- Alarm rings

Control

Manual control through mobile app

- Manually enable and disable lights, alarm, and camera
- Add users to system

Our System



Product Roadmap

