

# Project Proposal for E-90 Cloud Services Infrastructure and Computing(AWS).

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## Project statement

With this project my main goal is to get familiar with few of unexplored territories of AWS. and with this project I am targetting alexa and aws rekognition.

1. Build an alexa skill to turn on lights using raspberry pi.
2. Build an alexa skill to take a photo and use aws rekognition api to recognize the person.

## Techstack

I am planning to use raspberry pi3 with common led lights, I will also use a 5 mp camera to take the picture for the second use case.

For the custom programs I am planning to use Python and Json. Json is primarily for building the alexa skill.

## AWS Resources

I will be using the following aws resources for this project

1. IAM
2. Alexa
3. AWS IOT(depends on how far I get.)
4. AWS REKOGNITION

## Project Benefits

I have always wanted to do build a magic mirror and integrate it with alexa . This project will give the enough background for aws world and raspberry pi to get started for that.