Raspberry Pi based Alexa System

Main Objective:
This project aims to explore the implementation of Amazon Alexa on a Raspberry Pi and investigate how an Alexa Skill can be built to increase interactivity through the use of dialog management techniques and the application of voice design principles.

Main Functionalities Developed
- Schedule medicine reminder
- Facial recognition
- Voice journal
  - Record & retrieve past Memories
  - Sentiment analysis with Naïve Bayes Classifier

Main Technologies & Frameworks Used
- Amazon DynamoDB
- AWS Lambda
- Amazon Rekognition
- Alexa Skills Kit
- Alexa Voice Services
- Amazon Cloudwatch

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