

Notification Based on Face Detection

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Outline







Methodology



Implementation



Conclusion

Introduction

Face Recognition?

Why Cloud Computing?

- Accessibility
- **B**oost throughput
- **C**ost-effective
- **D**ependable
- **E**vent-driven

Objectives

- 1. Image recognition algorithm.
- 2. Train the model
- 3. Update data into firebase
- 4. Cloud Function
- 5. On successful trigger, send notification

Methodology

Firebase Realtime database

Firebase Cloud function

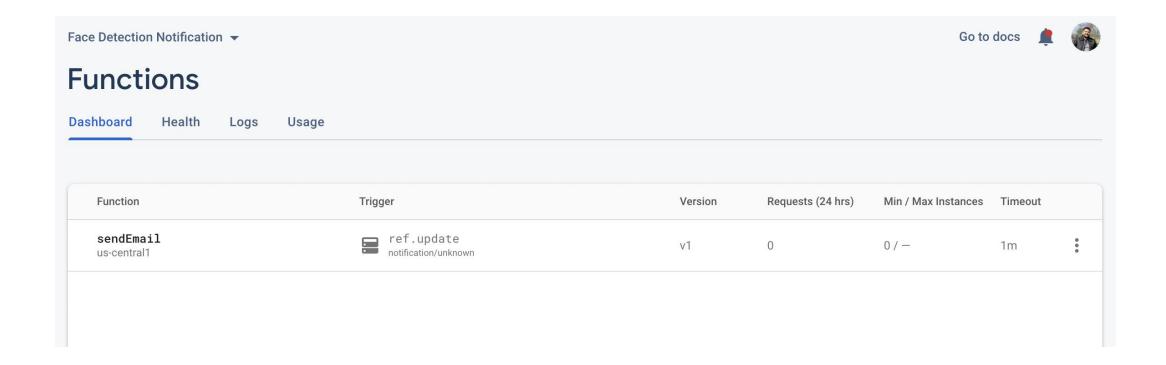
Python libraries

- cmake
- dlib
- opencv
- face_recognition

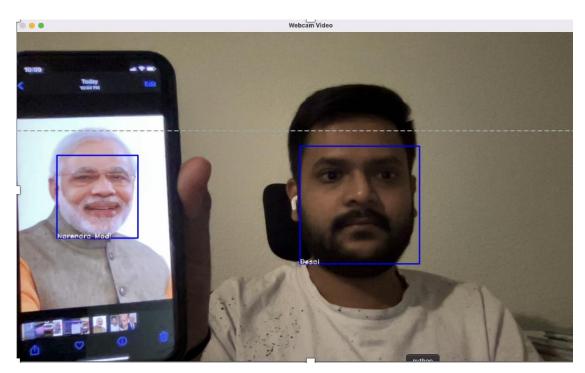
Firebase Realtime Database

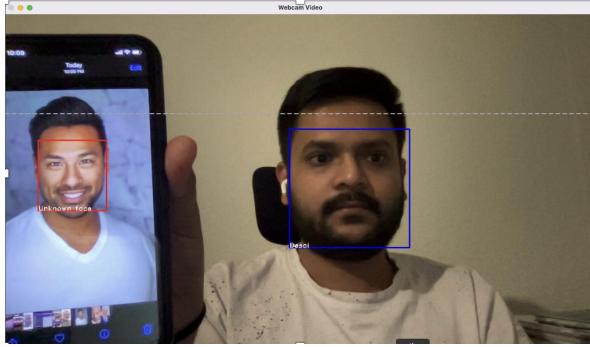


Firebase Cloud Function



Realtime Face-Recognition: OpenCV





Thank you