

BLUE EYE

MD. Nayim Islam

ID: 193313007

Semester: 8th

Section: A (Evening)

Project Supervisor:

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Lecturer

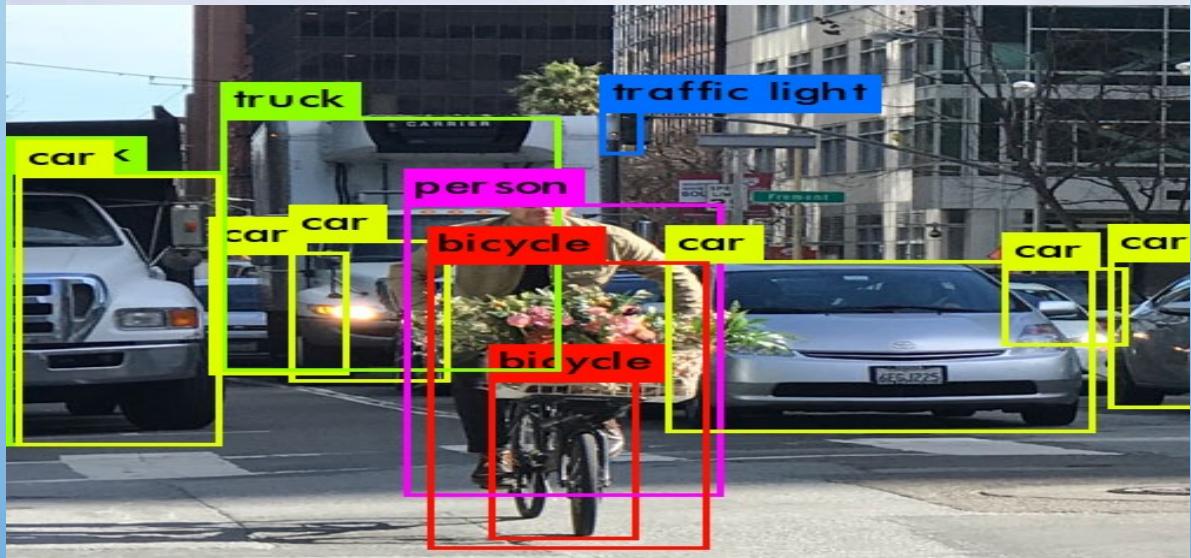
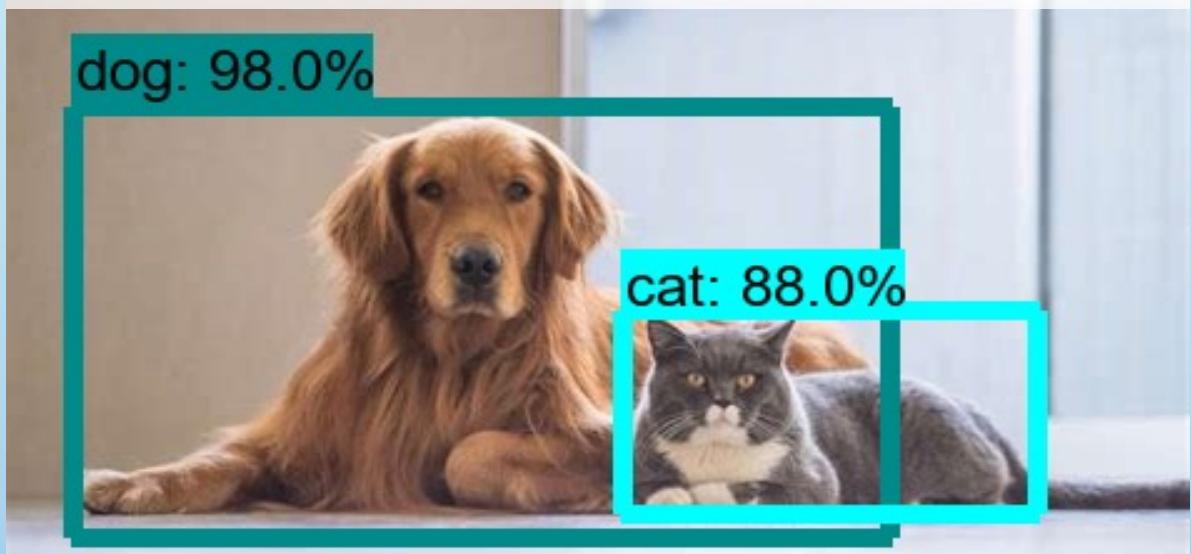
Dept. of CSE, VU

INTRODUCTION

- Blue Eye Software Is Mainly Designed For People Who Are Blind.
- This Software Will Be Targeted At Android And iPhone Users.
- The Software Can Be Used Through Voice Commands And Touch.
- The Software Is Made Dynamic.
- Various Options, The User Will Be Able To Use The Data For His Own Needs Through Training.
- This Software Has Enough Security.
- Use Back-end Python Programming Language And Front-end Dart Programming Language.
- The Blue Eye Software Will Be Made Mainly For Those Who Cannot See With Their Eyes And Those Who Cannot Hear With Their Ears.

EXAMPLE

If A Blind Person Uses The Software, Then If He Opens The Camera Of The Software Through Voice Command, What Is The Object In Front Of Him, What Is The Object Doing, And What Is His Emotion Will Tell All The Software. If An Object Cannot Speak, It Will Be Able To Communicate With The User Through Cultural Symbols.



MOTIVATION

- There Are Many People In The World Who Can't See, Can't Speak, Can't Hear. I Came Up With The Idea Of Making Software To Make Their Life Journey A Little Easier.
- I Want Them To Live A Normal Life Like Us. So That They Can Use Smartphones Like Us.
- I Will Update My Software In The Future According To The User's Requirements. I Will Make It More Secure.
- I Will Add More New Features In The Future With The Mentioned Features.

TOOLS

➤ Tools: Android Studio, VS Code, XCode.



➤ Platform: Android, iOS, Mac, Windows, Web.



➤ Emulator: Android, iOS.



➤ Language: Dart.



➤ Framework: Flutter



➤ Database: Firebase, Google Cloud.



➤ Data Train: Teachable Machine, Dialog Flow.



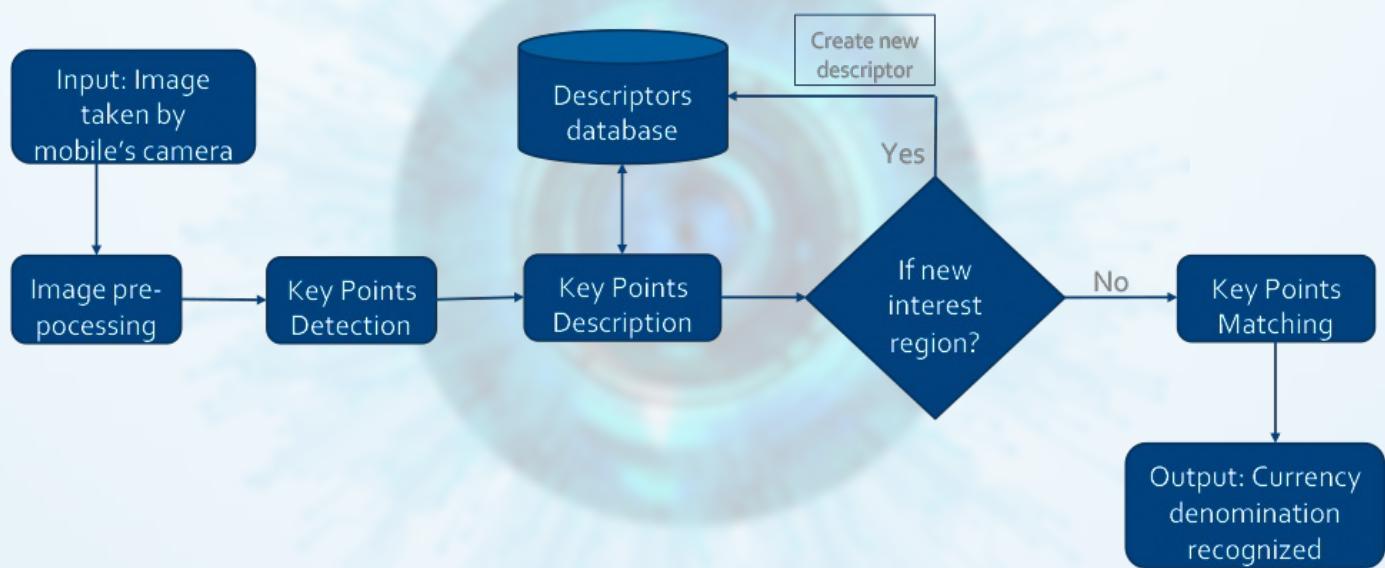
➤ Icon Design: Adobe Illustrator Cc 2021



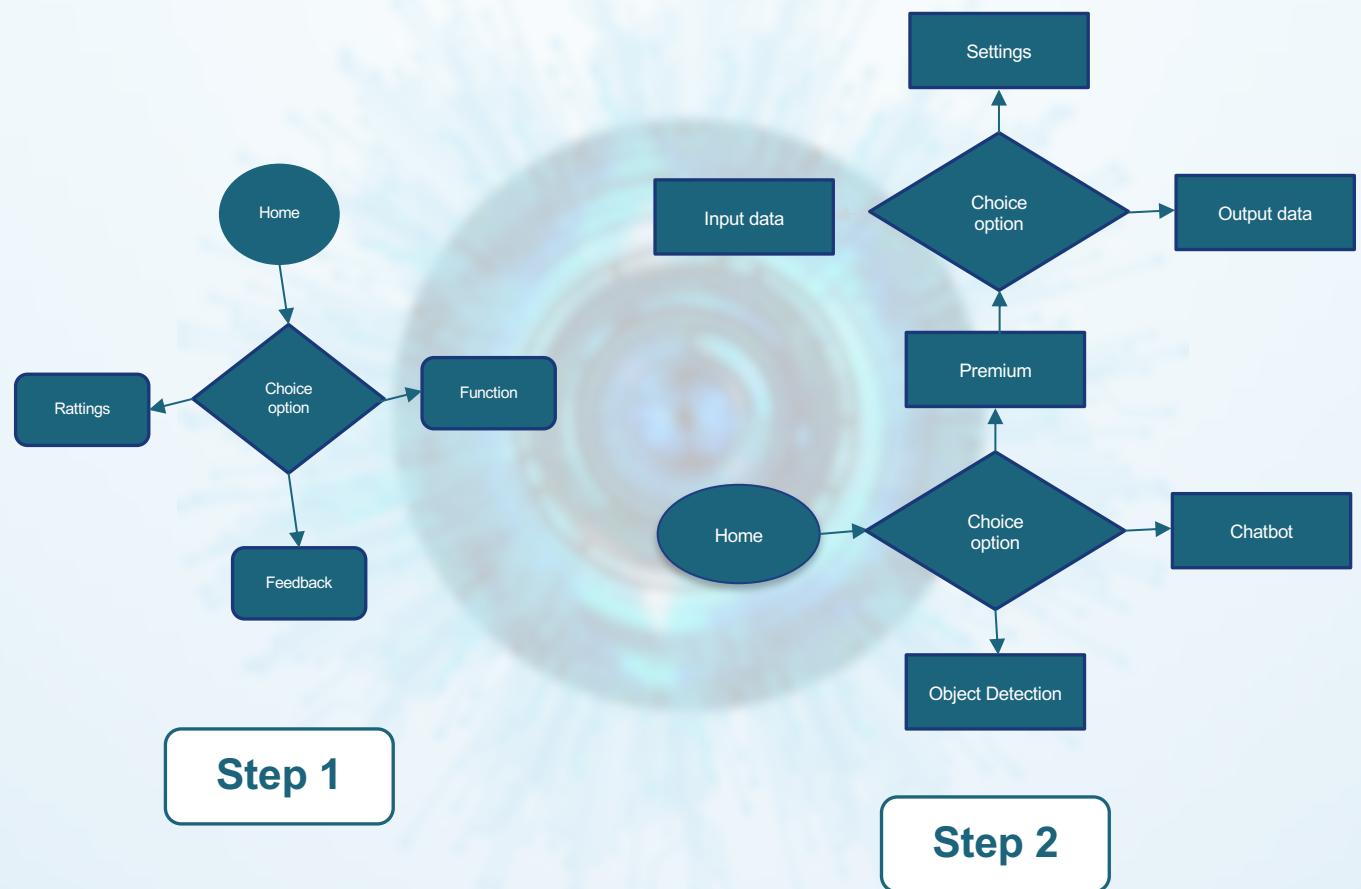
FEATURES

- ❖ Object Detection By Video
- ❖ Object Detection By Image
- ❖ Object Detection By Pose
- ❖ Voice Read & Speak Answer
- ❖ Chatbot
- ❖ All Output Is Shown In Voice & Text
- ❖ Users Can Update The Object
- ❖ Users Can Feedback & Rating

FLOWCHART



DIAGRAM



OUTPUT

The image displays three screenshots of an Android application titled "BLUE EYE".

Screenshot 1: Shows a large circular icon resembling a stylized eye or a futuristic sensor. Below it are six smaller icons: a camera, a smiley face, a person, a microphone, a speech bubble, and an information symbol.

Screenshot 2: Displays a profile page for "Md. Nayim Islam". It includes a circular profile picture, the name "Md. Nayim Islam", the subtitle "I am a flutter developer", and four navigation links: "Go Back", "Notifications", "Privacy policy", and "Send feedback".

Screenshot 3: Shows the "Privacy Policy" screen. It has a back arrow and the title "Privacy Policy". The content discusses the app's purpose, data collection, and user consent, mentioning cookies and third-party services.

OUTPUT

The image shows three screenshots of a mobile application interface.

Left Screenshot: A feedback form titled "Send Your Feedback". It features two circular profile pictures of a man named Md. Nayim Islam, both labeled "Md. Nayim Islam" and "I am a flutter developer". Below the profiles is a rating section with five blue star icons. A text input field is labeled "Additional comment" with placeholder text "Type your comment here". A "Submit" button with a right-pointing arrow is at the bottom.

Middle Screenshot: A profile view of Md. Nayim Islam. It shows his circular profile picture, name "Md. Nayim Islam", and title "I am a flutter developer". Below his name are social media sharing icons for Facebook, Email, Phone, Twitter, and GitHub. A detailed description of the service is provided below the sharing icons.

Right Screenshot: A "Notifications" screen. It has a back arrow and the title "Notifications". It lists ten notifications, each with a bell icon, the word "Message", a placeholder "Message Description", and the date "23-07-2022".

OUTPUT

Android Emulator - Resizable_Edited_API_33 Android Emulator - Resizable_Edited_API_33... Android Emulator - Resizable_Edited_API_33...

4:12 4:12 4:12

← Emotion Detection By Image ← Emotion Detection By Pose ← Emotion Detection By Voice

No Image Selected



Press the button to start

OUTPUT

Android Emulator - Resizable_Edited_API_33...

4:14

Object Detection

Smile

Android Emulator - Resizable_Edited_API_33:...

4:31

Emotion Detection By Image

Crying - 0.91

Smile - 0.09

Android Emulator - Resizable_Edited_API_33...

4:14

Chatbot

hi

Greetings! How can I assist?

how are you

One more time?

what time now?

q 1 w 2 e 3 r 4 t 5 y 6 u 7 i 8 o 9 p 0

a s d f g h j k l

z x c v b n m

?123 , . ✓

TEACHABLE MACHINE

≡ Teachable Machine

New Project

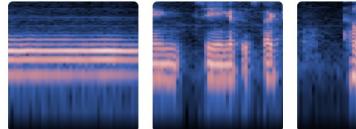
 Open an existing project from Drive.

 Open an existing project from a file.



Image Project

Teach based on images, from files or your webcam.



Audio Project

Teach based on one-second-long sounds, from files or your microphone.



Pose Project

Teach based on images, from files or your webcam.

More coming soon

More models will appear here as they're developed.

GOOGLE CLOUD

Google Cloud My First Project ▾

Search Products, resources, docs (/)

DASHBOARD ACTIVITY RECOMMENDATIONS

Project info

Project name: My First Project

Project number: 280966049351

Project ID: clean-tower-334200

[ADD PEOPLE TO THIS PROJECT](#)

[Go to project settings](#)

API APIs

Requests (requests/sec)

No data is available for the selected time frame.

3:30 3:45 4 PM 4:15

[Go to APIs overview](#)

Google Cloud Platform status

All services normal

[Go to Cloud status dashboard](#)

Monitoring

Create my dashboard

Set up alerting policies

Create uptime checks

[View all dashboards](#)

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to **clean-tower-334200**.
Use "gcloud config set project [PROJECT ID]" to change to a different project.
ayimislam0@cloudshell:~ (clean-tower-334200)\$

[Open Editor](#) | [Cloud Shell Help](#) | [Help](#) | [Feedback](#)

Click here to see details about this session and usage quota
Got it!

DIALOG FLOW

Dialogflow Essentials Global ▾

BlueEye  

en  

Intents  

Entities  

Knowledge  [beta]

Fulfillment

Integrations

Training

Validation

History

Analytics

Prebuilt Agents

Small Talk

Docs 

BlueEye  Languages ML Settings Export and Import Environments Speech Share Advanced  

 **DESCRIPTION**
Describe your agent (will be used in Web Demo integration)

DEFAULT TIME ZONE
(GMT+6:00) Asia/Almaty
Date and time requests are resolved using this timezone if not provided in the API requests.

AGENT AVATAR URI
Define URI to agent avatar that will be used in [Web Demo](#) and [Hangouts Chat](#) integrations.

GOOGLE PROJECT

Project ID	blueeye-grh9
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BETA FEATURES
 Enable beta features and APIs
Be the first to get access to the newest features and latest APIs. ([Full V2-beta API reference](#))

LOG SETTINGS
 Log interactions to Dialogflow

PLANNING

SINCE THE PROJECT HAS TO BE COMPLETED ALONE IN A VERY SHORT TIME, THERE ARE MANY ERRORS IN THE PROJECT. IF I HAD SOME MORE TIME I WOULD HAVE BEEN ABLE TO SOLVE THE ERROR OF THE PROJECT. MY PLAN IS TO ADD THE PREMIUM VERSION OF THIS PROJECT WITH SOME MORE TIME. THE USER CAN LEARN THE OBJECT AS PER HIS OWN WISH AND THE USER PROFILE WILL BE COMPLETED. I WILL COMPLETE MY PROJECT AND UPLOAD IT TO THE PLAY STORE AND UPDATE IT CONTINUOUSLY.

CONCLUSION

Often There Is A Problem In Detecting The Same Type Of Object And Due To Very Low Detection Accuracy, It Often Shows Wrong Information. In The Case Of Chatbots, People Often Get Confused Because They Do Not Understand Emotions. Note That If There Is Too Much Noise, The Voice Assistant Will Do The Wrong Thing. I Will Try To Solve These Problems As Quickly As Possible And Reduce The Percentage Of Mistakes. I Will Give The Customer A Nice User Interface Next Update.

Application Link

PROJECT LINK:

[HTTPS://GITHUB.COM/MDNAYIMISLAM/BLUE_E](https://github.com/mdnayimislam/blue_e)
YE

APK LINK:

[HTTPS://DRIVE.GOOGLE.COM/FILE/D/1SMUJJII
K5HMMWOVJNFWFGM0I-
JFBW8UD/VIEW?USP=SHARING](https://drive.google.com/file/d/1SMUJJIIK5HMMWOVJNFWFGM0I-JFBW8UD/view?usp=sharing)