# HiBrainy

Create your assistant who recognizes your language, your voice, your face and your ID card

# Solution

# Problem

✓ We support Languages that giants don't support or doesn't have High Accuracy.

✓ We offer Voice and Face services on Banks & Fintechs Private cloud to Protect their customers data.

✓ Current Providers of Voice assistants don't support various languages.

✓ Privacy of Banks customers Data is the main concern of voice and Face Recognition & The companies don't offer their services on Banks & Fintechs Private cloud.

It's time for Banks to have their own voice assistant.

We've operated the First Persian Banking voice assistant on the Mobile APP of the largest middle east Payment service provider with 1M users.

www.HiBrainy.com

HiBrainy

# BROAD SOLUTION

## HiBrainy AI platform
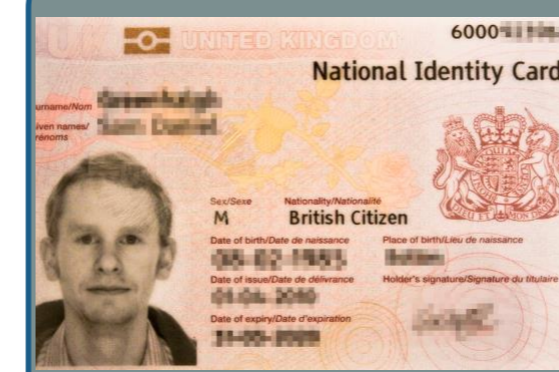


**Text to Speech**

**Chatbot**

**Voice Recognition**

**Face recognition**

**ID Card OCR**

**Credit Card OCR**

❑ Services deployed on enterprises **private cloud** for **data security protection**

❑ **Web API** for developers, offering **competitive price** on cloud

❑ **Offline SDK** for devices with no/limited internet connectivity

## Across verticals: banking | automotive

HiBrainy

Smart Banking



Robotics

# Track Record working across industries

# Team

- 2 founders, 6 AI engineers, 2 web Developers, 2 business developers, 1 marketing, 1 financial

- Based in Paris, France

- 4.5 years together

**Somayeh Bagherbeygi**
CEO & cofounder

- M.A. in Linguistics
- B.S. in software engineering
- 12 years in NLP Projects

**Mahdi Golzarnia**
CTO & cofounder

- B.S in software engineering
- 22 years in programming C,C++,Delphi
- 16 years in NLP Projects

## Business Development

**Diane Deproit**

- Development Director BPI Group

HiBrainy

# News & awards



Dear Somayeh,

Congratulations! We're thrilled to inform you that HiBrainy(former RohamAI) has been selecte
among 400 Startups as a semi-finalist for the Female Founder Office Hours!

You win:

Selected as a semi-finalist in "Female Founder Challenge" by Viva Technology and 50inTech.

In Widoobiz, France Media

Report by Dan Hirschfeld

Graduated from Y Combinator startup school 2018 Program.

# VOICE RECOGNITION

- Supports Persian and English now, (We will add more languages soon).

- Transcribe speech to text in real-time.

- Incredibly accurate transcripts

- Customized vocabulary support

- Real time streaming support

- Command Recognition for any language

- High accuracy and alternative results available

- API , Offline SDK for Android, Windows, iOS and Linux

- Accuracy > 92 %

- Noise robust

- Speaker independent

- The ability to develop for the other languages

- It can be integrated with mobile apps, cloud software, connected devices and ultimately internet of things.

Web API on our cloud
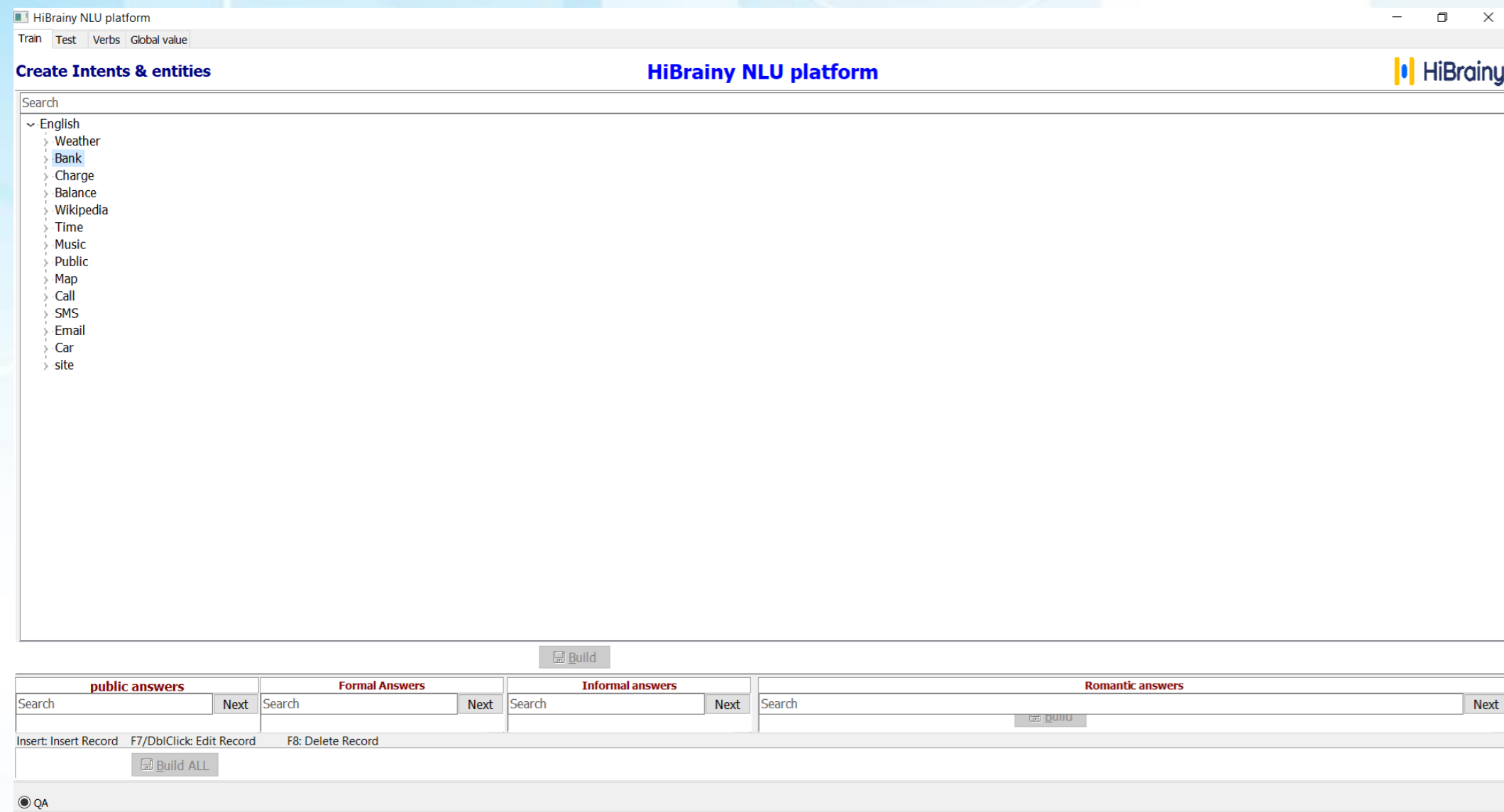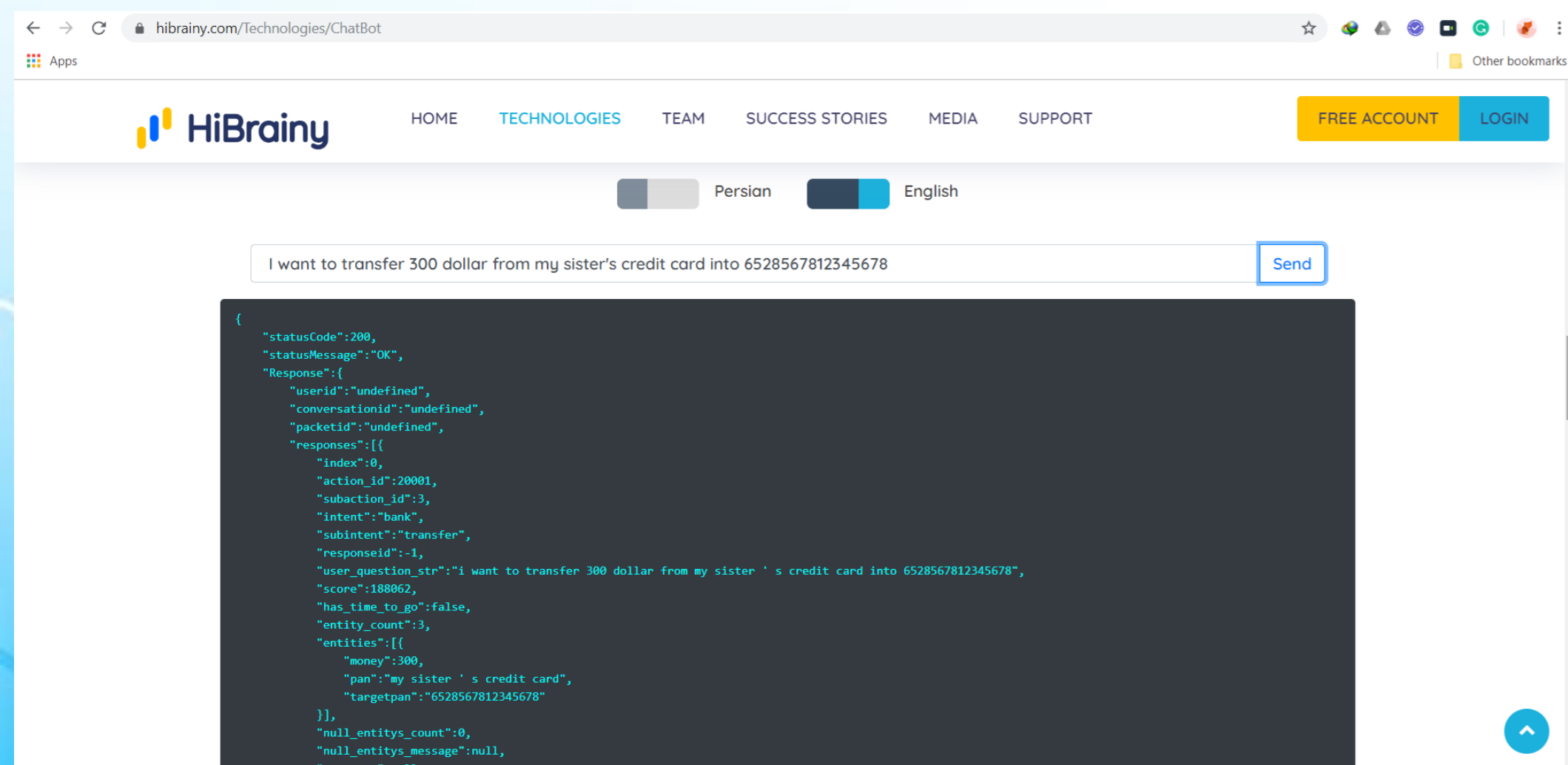
**Developers**

Web API on your private cloud

**Enterprises**

Offline SDK for Mobile devices

**End-users**

Hibrainy

# NLU



- Extract Intents & entities using Pattern +Fuzzy maching + classifier

- Natural language Classifier

- Morphological & syntax analyzer for Persian

- Define your Intents & Entities including features such as

   o Define Subintent

   o Define formula

   o Define entity as type (int, string,file,...), answer for null, min&max value, min & max length, Back & Next word

   o Define specific language verbs roots, suffix, prefix

- Use context, such as the user's location or previous queries, to support natural interactions.

- Pre-built entities including transfer,account balance,weather,navigation & ... .

- It can understand context and relations between entities.

- It supports custom commands.

- Web API, SDK for Rasberry pi ,android,IOS

- NLU Platform for business to train their contents

HiBrainy   HOME   TECHNOLOGIES   TEAM   SUCCESS STORIES   MEDIA   SUPPORT        FREE ACCOUNT   LOGIN

```
{
    "statusCode":200,
    "statusMessage":"OK",
    "Response":{
        "userid":"undefined",
        "conversationid":"undefined",
        "packetid":"undefined",
        "barcodeReader":0,
        "responses":[{
            "index":0,
            "action_id":1000190,
            "subaction_id":0,
            "intent":"dayan",
            "subintent":"Sharzh",
            "responseid":1,
            "user_question_str":"بخر ایرانصل تومنی 5000 شارژ",
            "score":73032,
            "has_time_to_go":false,
            "entity_count":5,
            "entities":[{
                "amount":50000,
                "operatorname":"ایرانصل",
                "mobileoperator":"ایرانصل",
                "operatorid":1,
                "vat":9,
                "mobilenumber":null,
                "sarjtype":null,
                "pan":null
            }],
            "null_entitys_count":3,
            "null_entitys_message":"لطفا 'شماره تلفن' و 'نوع شارژ' و 'شماره کارت' را بگو.",
            "response":"لطفا 'شماره تلفن' و 'نوع شارژ' و 'شماره کارت' را بگو."
        }]
    }
}
```

# TEXT TO SPEECH

- NLP accuracy > 92%
-  The ability to create your own voice
-  The ability to develop for the other languages
-  API
-  Offline SDK for Android, Windows, iOS and Linux,Rasberrypi

- Multiple voices of male and female
- Available both in cloud and local
- Human like natural sounding voices
- Multiple quality options

Web API on our cloud

**Developers**

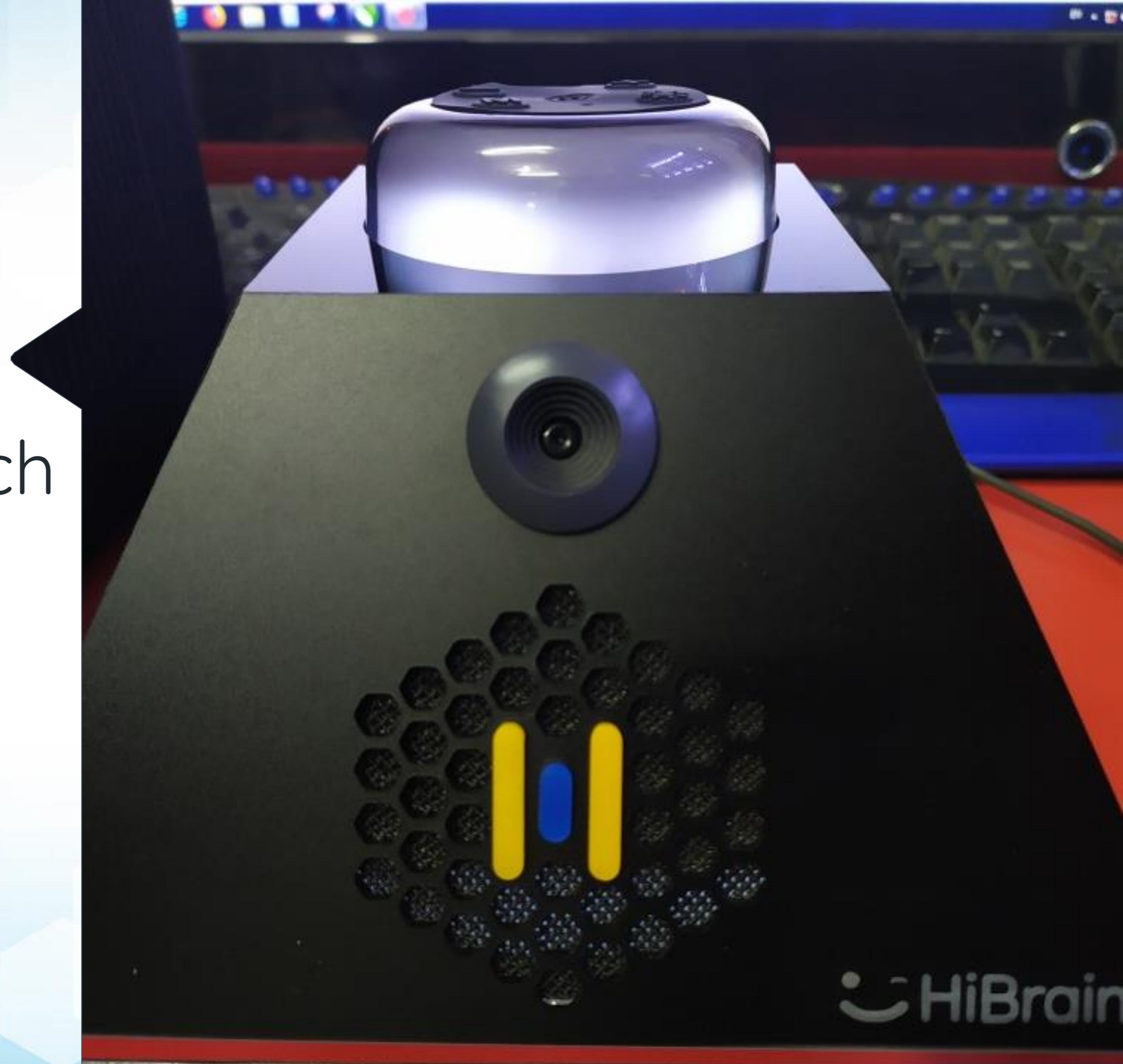Web API
on your private cloud
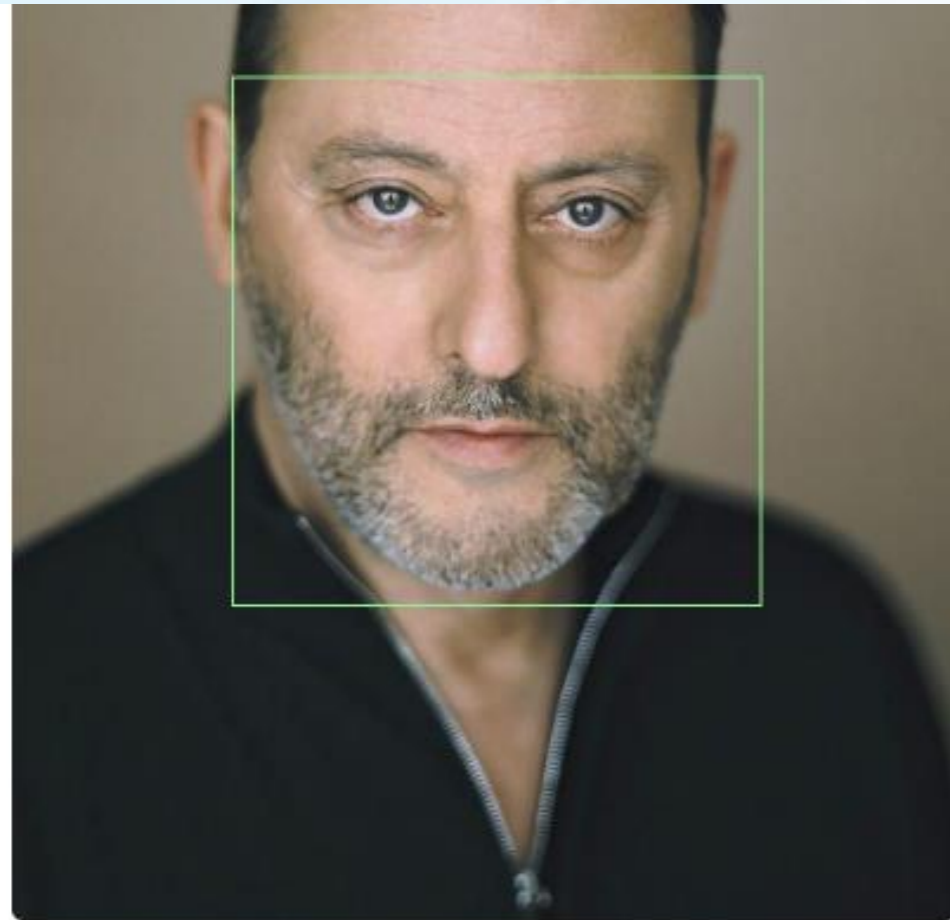
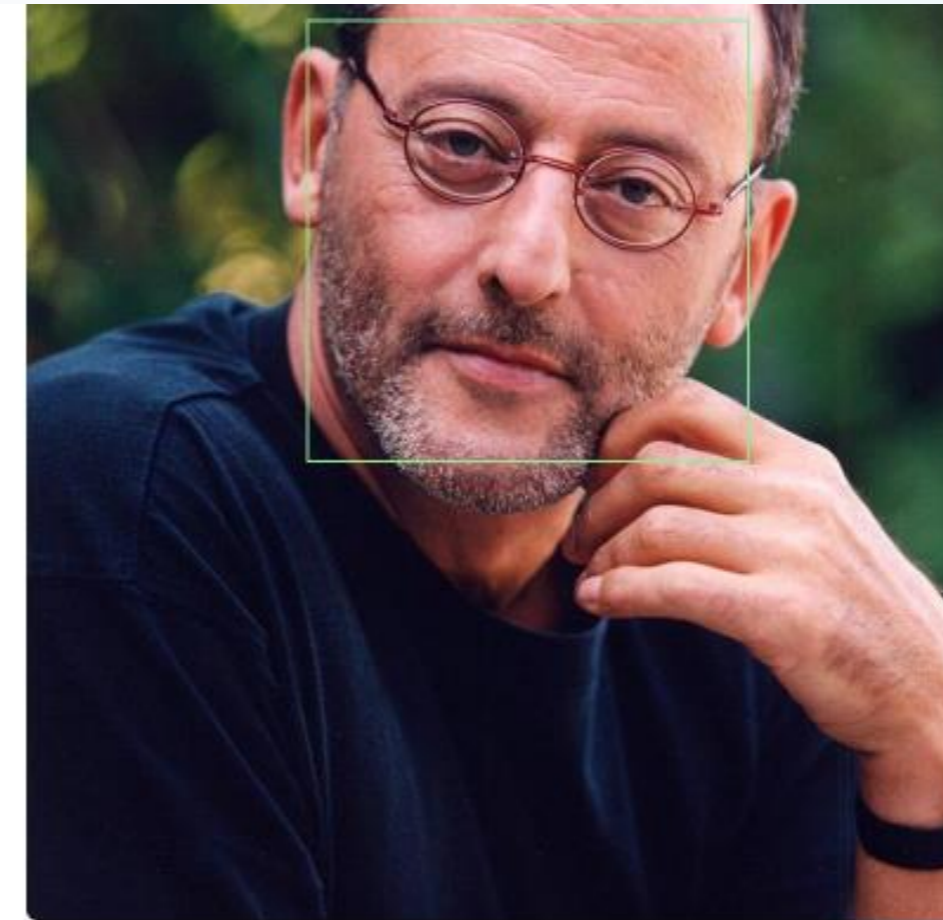**Enterprises**

Offline SDK for Mobile & devices

**End users**

Hibrainy

This is Diane.

Our Smart Speaker which uses our Face & voice technologies.

# Face Recognition



+ Upload first photo...

+ Upload second photo...

```
json:
{
    "ResultIndex":0,
    "ResultMessage":"\r\n*** Result: The two faces belong to the same person. "
}
```

```
> Features Extracing.....
> Comparing.....
> Face recognition is running...
> 0,
*** Result: The two faces belong to the same person.
```

*** Result: The two faces belong to the same person.

✓ Face Detection >99%

✓ Face verification >98%

✓ Face identification (Image) >95%

✓ Face Recognition (Live) >90%

✓ Age & gender

✓ Multi-face tracking

▪ Robust detection of faces with rotation, glasses, etc.

▪ Compare two images in 500 milliseconds

▪ Combining high speed with a high degree of accuracy

▪ Web API

▪ SDK for embedded Devices

Gender:Fe
Age:24 - 2

Lara Fabian
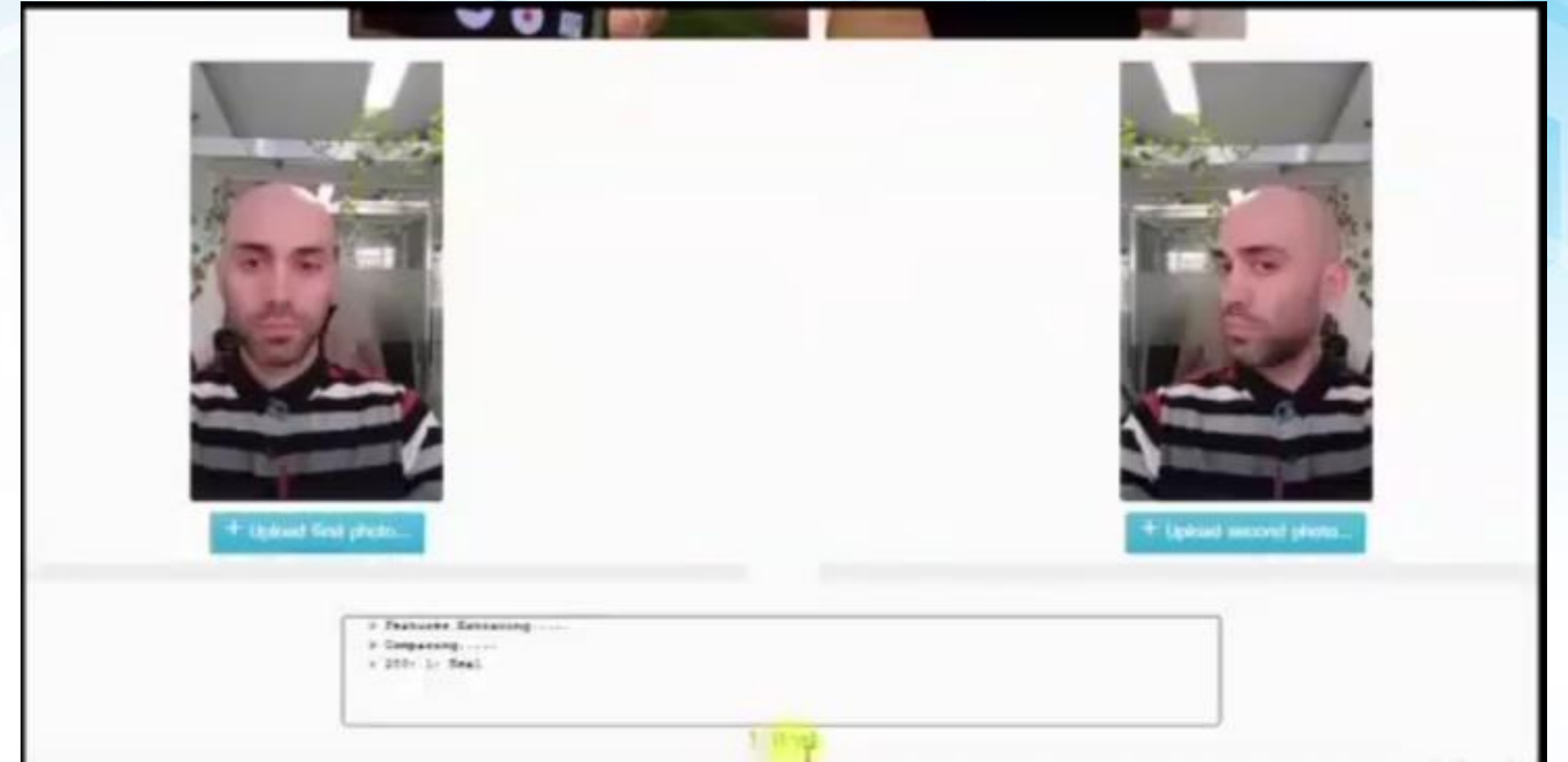singer

+ Try another photo...

# BANKING PROJECTS : VOICE & OCR

1. First Persian voice assistant integrated to mobile app of the largest middle east PSP with over 1M users  : 1 Bank

2. Talking ATM for helping visually impaired or elders : 1 Bank with 1000 ATMs

1. Credit Card OCR SDK (Offline) : 3 Banks

5. NLP Platform for Banking  : 1 Bank

# BANKING : FRAUD DETECTION

1. Face spoofing detection for Face authentication on mobile Banking : 1 Client



2. Fraud Prevention on ATMs using Face detection

# Traction

## Revenue Growth : 46.5 %

5

large Clients in the

$200,000

Revenue from last 18 months

HiBrainy

# Our Plan

We're going to launch our AI platform for developers including following APIs

- Text to speech
- Voice Recognition
- NLU
- Face detection
- Face Verification
- Plate Recognition

# Market Validation

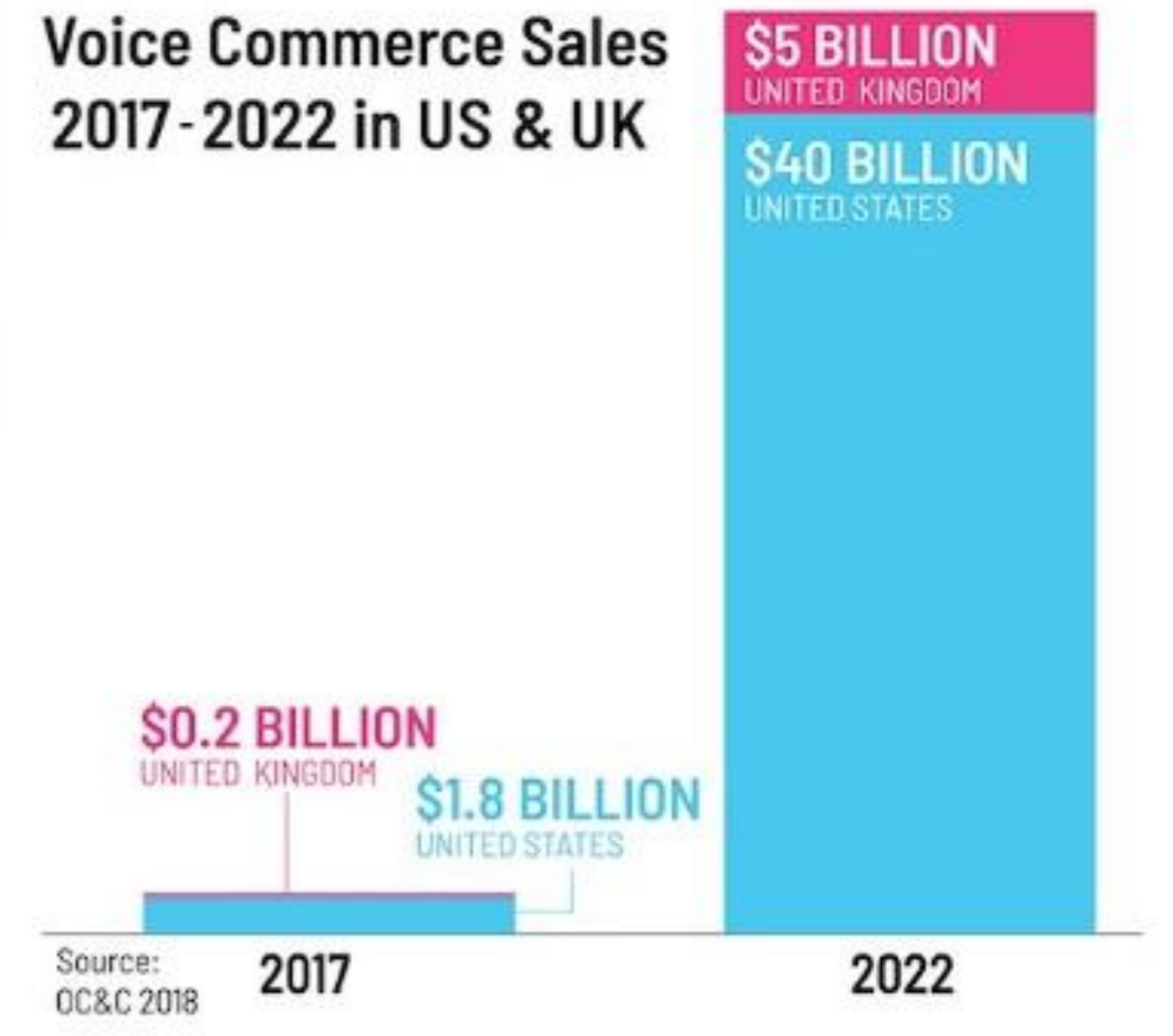## Voice

**Juniper** :voice commerce market

https://www.paymentscardsandmobile.com/voice-commerce-market-and-potential-growing-rapidly/

Gautheir also says Amazon Pay's latest research found that roughly 40% of consumers think smart assistants would be used in some part of their shopping journey over the next three years

$80B
By 2023

**Voice Commerce Sales 2017-2022 in US & UK**

$5 BILLION
UNITED KINGDOM

$40 BILLION
UNITED STATES

$0.2 BILLION
UNITED KINGDOM

$1.8 BILLION
UNITED STATES

Source: OC&C 2018    2017    2022

## Face

Biometric Facial Recognition Market

Report from https://www.marketsandmarkets.com/

$7B
By 2024

# Our Market Size

Total market share: 2%

**Total Market size**

# $87B

**Our Target Market**

# $2B

HiBrainy

# Our Plan

✓ Launching our Platform for small developers

✓ Adding French & Arabic to our Voice assistant

✓ Make Partnership with Banks, Fintechs & automotives to provide their

   required languages

✓ Expanding our market

# Revenue estimation

Seed Fund Raised : € 600K

Raising : € 1.5M

Acquire 5 Large client +150 developers + 4.5B Requests

## 2nd Year $1M
Acquire 3 Large client
+30 developers + 540 M Requests

## 3th Year $2.7M

## 4th Year $6.1M

## 5th Year $14.2M

Acquire 7 Large client +350 developers + 12B Requests

Acquire 4 Large client +68 developers + 1.6B Requests

## 1th Year $256K

Acquire first Large client +10 paid developers + 120M Requests

# Business Model

- Pay as you go model on our Platform for small developers(They will be charged for what they consume per request)

- Licensing model for Enterprises which want to have services on their private cloud

HiBrainy

# Competitive Advantage

## HiBrainy

High quality developers with lower cost ✓

Deploying services on private cloud ✓

Competitive Price for Fintech startups ✓

✓

## Our Competitors

Low development cost ✕

Deploying services on private cloud ✕

Competitive Price for Fintech startups ✕

✕

HiBrainy

HTTPS://WWW.LINKEDIN.COM/COMPANY/HIBRAINY

67 RUE JEAN JAURES VILLEJUIF

07 58 57 62 41

SOMAYEH@HIBRAINY.COM

CHECK OUR PRODUCTS VIDEOS ON YOUTUBE

WWW.HIBRAINY.COM

With the support of

STATION F