**HuDex** - ***A Realtime Pokedex of Human Beings*** #AndroidDevChallenge

Hudex will be a cross platform application to trace, identify and describe a human being based on his/her social media hashtags/profile pictures/email signatures and by the information shared by him/her on a website. Whether there is a comment somewhere on blog/face book/twitter/emails/website/YouTube channels or even any kind of information he/she shares on internet via phone/laptop/desktop.

The main objective of this framework will be to identify any particular human that you want to identify in a queue/park/mall/multiplex/stadium/Homes or any place you just have to upheld your camera (phone or laptop), the vision and imaging algorithm will compute a cognitive model of that human being on the backend server. This entire model will be powered by **AI + ML** framework that will scan the individuals physical appearance with his her profile on social media and search the more descriptive information like his/her hobbies interests etc. (**NO SENSITIVE DATA WILL BE BREACHED AS THIS WOULD BE WORKING UPON ENCRYPTED PIPELINE THAT WOULD BE GOVERENED BY GOOGLE'S SECURITY AND ANDROID'S LINUX ARCHITECTURE**) The goodness of ML will make it understand a human more closely and more intelligently which would help Google and many security agencies in World to keep its citizen safe and environment free from bad sources.

As we all have heard about PokeDex that appeared in Pokemon Anime and have recently been shown in game titles "Pokemon Go" & "Pokemon Master". So this sandwiched layer of [**Vison(AR)+AI+ML+Android+Google]** will work in similar way the only difference will be it will tell about humans and give better understanding of each other.

Also it will assist visually impaired/disabled people to feel their loved ones by speaking like Iron Man's JARVIS about their appearances and behaviour studying the social media and other online handles.

*Describe in 250 words what the feature or service will do and how you’ll use Machine Learning to push the bar:*

**Tell us how you plan on bringing it to life.**

*Describe where your project is, how you could use Google’s help in the endeavor, and how you plan on using On-Device ML technology to bring the concept to life. The best submissions have a great idea combined with a concrete path of where you plan on going, which should include:*

* *(1) any potential sample code you’ve already written,*
* *(2) a list of the ways you could use Google’s help,*
* *(3) as well as the timeline on how you plan on bringing it to life by May 1, 2020.*

Currently Hudex has been idealized with all the possible scenarios and functionalities that it will cover and the entire workflow for it has been framed that how it will keep in the depths of AI, ML, Android and goodness of Google to make a seamless experience for users and security agencies across globe.

So the idea has been finalized and it is ready to follow the following timeline:

* **Dec'19 - 19 Jan'20:**

**-** Backend Setup using Node.js

- Integrate Social Logins and saving profile details (Google, Face book, LinkedIn)

- Face detection from available profile and friends using Google Vision API

* **20 Jan'20 - 19 Feb'20:**

**-** Using ML to use data sets captured by Vision API

- Process them to model a descriptive behaviour of individual

- Using AI core engines to build a neural network of all the generated model

- Training the application to respond intelligently with desired output

* **20 Feb'20 - 19 Mar'20:**

- Android App Design

- Micro Animation

- Empty State Management

- API Integration

- Speaking capabilities about profile matches using Speech Engine (For visually impaired/disabled)

- Magic Feature: Translating into native language of user + integration with sense API

* **20 Mar'20 - 15 Apr'19:**

- Refining Machine Learning Model

- Beta Launch

- App Marketing

**Tell us about you.**

A great idea is just one part of the equation; we also want to learn a bit more about you. Share with us some of your other projects so we can get an idea of how we can assist you with your project.

We are team of two young, crazy and enthusiastic college buddies who aspire to transform technology into a human understandable delicious recipe that can be digested to bring out the best taste and effectiveness of each technical ingredient that it has been cooked from.

Founded our Non Profit Organisation "TechNawabs ([Our Page](www.facebook.com/technawabs))" that has passionately participated in countless hackathon and dev challenges globally with domains ranging from robotics, software application, cross-platform games and web apps for INDIAN government organizations and private MNCs like Airtel, Microsoft, Google, Unity etc.

Recently built our game for Global Game Jam 2019 India and were amongst top 10 for NASSCOM Game Developer Conference 2014 BYOG Challenge Internationally.

Published our first android app "Digibets (Our App)" on Google play store last year and looking forward to bring the delicacies of technologies to people's hand and helping them in making this world a better place to live in.