

## Tell us what your idea is.

Describing is feeling. Describing is touching. Describing is hearing. Describing is smelling. Describing is seeing. Ever read a description that has made all these sensations triggered? Ever read a chef's description of his masterpiece that made you feel its pull? Or a painter's description of artistry that made you imagine it, all together full? That's the catch! Implementing daily experiences into a summary brings much more life to the whole world of reading. You just need a bit of smooth wordplay, and you could get the satisfactory result of a scene that just leaps off the screen! Our idea is to create an app that could provide you with realistic content. Give it the minimum required tags that will be in your description, and it comes up with the content that you exactly need to describe your thing! Be it your favourite savoury, be it your holiday scenery, your fun day pic, or your professional product. A handy ready to use app that is built on Content Automation using Machine Learning techniques and Natural Language Processing. It provides unique, readable content, updated with the latest trend, that too in seconds, simply based on the keywords given. Along with it, specify the length & prime emotion of the required content, like joyful, accusatory, formal, curious, concerned or other, and the app offers you the content accordingly. For the keywords of - #sea #breeze #Goa, "This Ocean Breeze puts the mind at ease! GoGoa!" is a perfect joyful oneliner!

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

**Initially, By the end of December:** We would have a basic app whose suggestions are likely to be in context by 20 - 40 % with parameters like output content length, input words, and emotion type of output content, with the help of Google.

By the end of the first week of February: Research would go on to make the output content relative by around 40-60 %. We would like to have google's help in making our model efficient and Accurate.



**Feb to April:** Development and Research would go on till we achieve the context accuracy of around greater than 70%.

By May 1, 2020: We would be going live.

Google's Help-

We need Google's help in Making efficient AI models for content restructuring and making Grammatically correct.

Future Plans -

Once the Content Automation App is well implemented, future plans include self-generation of tags out of an image provided, so that the image could describe itself.

## Tell us about you.

Senior iOS Developer at Kristal.AI, Bengaluru, I am into mobile app development for 4 years. An iOS Developer by heart, I have published 6 apps on the App Store and 4 on GooglePlay. Along with me, my team is a Senior Year girl student from the BITS Pilani University, committed to being mad for learning new things. Intern under my guidance for a year, she has a knack for data science and iOS development. We two are eager to see our idea come to life.

Let's have a look at the apps I have released on App Store,

**1. Beautify Me**: Uses AI to retouch the photo, resetting the light roughness, and smoothens any irregularities in the pic.

https://apps.apple.com/us/app/beautify-me-skin-tone-filter/id1370093493



- 2. Write4Me: Uses on-device and server AI to transcript Voice into Text, with an efficiency of >95% https://apps.apple.com/us/app/write4me-write-text-by-voice/id1287175954
- **3. Jukebox:** Uses the server-side Al Recommendation System, to suggest radio-stations around.

https://apps.apple.com/in/app/jukebox-all-shoutcast-radio/id1233822279

**4. FM Radio:** Presents to the user FM Radio on the mobile-app interface

https://apps.apple.com/in/app/fm-radio/id1489584840

5. Secret Vault: Offers Password-protected folders for files to be stored within

https://apps.apple.com/in/app/secret-vault-hide-files-safe/id1387208263

**6. ToDo:** Agenda-making app, that could enlist the TO-DO items as entered by the user, also provides reminders for the tasks.

https://apps.apple.com/in/app/todo-task-manager-reminder/id1354490507

While apps on the GooglePlay include-

- Shoutcast: Server-side Al-based recommendation System suggesting radio-stations around. https://play.google.com/store/apps/details?id=com.zilideus.jukebox\_new&hl=en\_IN
- 2. Wizard's Adventure: Unity based Gaming platform

https://play.google.com/store/apps/details?id=com.thedancho.Wizard&hl=en\_IN



- 3. Write4Me: Uses on-device and server AI to transcript Voice into Text, with an efficiency of >95% <a href="https://play.google.com/store/apps/details?id=com.zilideus.speechtotext&hl=en\_IN">https://play.google.com/store/apps/details?id=com.zilideus.speechtotext&hl=en\_IN</a>
- 4. Falling Hearts Pro: Dynamic View with animations which behaves like a live-wallpaper

https://play.google.com/store/apps/details?id=sirfireydevs.rana.fallingheartspro&hl=en

Following project has been worked on by companion teammate in the field of Data Science and Machine Learning -

Project on Detecting Troll using Sentiment Analysis(Information Retrieval using Machine Learning)

- Implementation of the research paper -Statistical Features Based Real-Time Detection of Drifted
   Twitter Spam
- Extracted dataset, followed by Text Processing, Sentiment Score calculation, Extraction of features, classification using unique L-fun Algo
- Analyzed how Twitter deals with trolls, technically with an F-measure of 94%