Tell us what your idea is.

Lyfster allows users to anonymously post real-life experiences and seek help from other users if needed. It is currently a text first platform but it allows users to include image and audio content inside the post if needed. Platform objective is to help eliminate loneliness, depression and mental stress.

Google ML Kit can help the project in the following ways:

1) Identify the language in which the user has written the post. It will help in segregating the content based on language.

2) Detect the emotion of a post and segregate emotion wise.

3) Real-time translation of the post in user local language.

3) If a user decides to seek help from another user, the machine learning model should be able to detect if the helper is trying to take advantage of the help seeker. It can warn the user or end the conversation if the confidence score is high.

4) Detect how helpful the conversation has been for the help seeker and automatically decide the helper rating.

5) Detect abusive content inside audio files in real-time(inside conversations) and mute the same.

Tell us how you plan on bringing it to life.

Project Current Status:
The core platform is up and running. It is currently live on the Google Play store.
Above mention features that require machine learning are currently pending.
Project Link: https://bit.ly/lyfGoogle

How can Google help?
Google machine learning experts can help in the following ways:
1) They can help in designing tensor flow models for functions including emotion detection of the post, detecting how helpful the helper has been to the help seeker, and model for helper rating.
2) I will also need help in sound processing and abusive content detection.

ML Kit can help the project by allowing on-device translation, language detection.
Tensor flow lite can help in using the tensor flow models locally.

Timelines
15 December 2019 - 25 December 2019
Chat platform using firebase firestore.

26 December 2019 - 20 Jan 2020
Language detection, language wise segragation and on device transaltion.

21 Jan 2020 - 15 February 2020
Design model for helper helpfulness detection and rating system.

15 February - 5 March 2020
Implement helper features.

At this point, core functionalities would be ready which can be shipped to production.

6 March 2020 -
Start POC on real-time abusive content detection in audio files inside conversation

Tell us about you.

I am a full-time Software Engineer. I have experience in doing backend and Android projects.

Following are a couple of projects I have worked on:
1) Lyfster: *https://bit.ly/lyfGoogle*

2) Airtel Xstream OTT Device: https://bit.ly/aGoogle.

3) Markor: https://bit.ly/markorGithub

Next steps.

- Be sure to include this cover letter in your GitHub repository

- Your GitHub repository should be tagged #AndroidDevChallenge
- Don't forget to include other items in your GitHub repository to help us evaluate your submission; you can include prior projects you've worked on, sample code you've already built for this project, or anything else you think could be helpful in evaluating your concept and your ability to build it
- **The final step is to fill out this form to officially submit your proposal.**