Tell us what your idea is.

An average user receives 150 notifications in a day. These notifications contain promotions, spam which a user might not even look at. Crono is designed to cut through the clutter and provide a notification experience that surfaces only useful information in the notification drawer. With Crono, we want to make phone notifications smart.

Tell us how you plan on bringing it to life.

Notification Classifier

We will build a **TensorFlow Lite** model, by manually training notifications (tens of thousands of notifications). Tensorflow model will be integrated into Crono Android app.

- The model will identify similar types of notifications and group them under categories.
- This model will work offline, as it will be integrated into android app.

Notification classifier will be a model that will predict the type of notification. Based on the content of notification the model will categorize the notification into the following four categories.

1. Primary
2. Messages
3. Transactions
4. Promotions

Timeline

1. **December-January:** Generate training dataset from notifications.
2. **February:** Training TensorFlow model and integration into Android App
3. **March - April:** App logic + UI + UX work
4. **May:** App launch

How can I use Google's Help

- **Mentoring:** I would love to learn from Google engineers on how to move forward with my idea
- **Data Set:** The main challenge with any ML based project is proper dataset. May google can help with a better version of data set than my own.

Tell us about you.

I am Abhishek, a software developer from India. I have about 5 years of work experience handling Android development and Backend. I majorly code in Kotlin, Java and Scala.

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.**