



**\*Please make a copy of this document and include this in your GitHub repository for your submission, using the tag #AndroidDevChallenge\***

## Tell us what your idea is.

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

Hey, do you have the receipt of your last dinner or last fuel charge; Of Course not. A large no. of people go through this problem. Most of the times we don't have any digital record for our expenses. We generally lose or throw away the receipt we get from various stores, shopping malls, fuel stations, etc and don't have any track of our expenses. On the same earth, I've also seen some people maintaining a tedious Excel sheet, Docs or Notes for it.

Well, **Xpense Tracker** will do this for you in the simplest way possible. All you have to do is just take a snapshot of that bill or receipt and it'll show you the name of that store and the total amount you've transacted with the store.

**Xpense Tracker** doesn't only show you the details, moreover, it'll save all the receipts you scan and keeps track:

- **Where you spent your money** (for eg. Shopping, Grocery, Movies, Bills)
- **How frequently you visit that store**
- **Saves all your receipts in the database**, and much more

This app is not limited to that only, what if you scan electricity, water supply bill? Yes, you got it right. It'll **remind you of the due date** for that bill and amount due for the same, with various payments methods to proceed (Internet banking, Wallets, Credit/Debit card). In addition to this, Xpense Tracker allows you to **split the bills among your friends, colleagues or family member**. It can also detect **transaction messages for the online payments** we made on e-commerce websites.

This app will not only help us in maintaining our expenses but also will help us in day to day life and save a lot of time as we don't have to maintain those sheets or docs manually anymore.



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

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*Describe where your project is, how you could use Google's help in the endeavour, 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.*

Xpense Tracker is in the Ideation phase currently, but I've finalised some UI designs for the app..

I'll be needing Google's help in the following ways:

- Collecting and Training the datasets required for the ML model
- Mentoring in Machine learning as I'm new to it.
- Future reliability and recognition for the project.

Google Cloud APIs used:

- ➔ **Google Cloud Vision API** to extract and manipulate data from the image uploaded
- ➔ **Text Recognition API** to detect Text/Handwriting from the image

Timeline planned:

1. **December'2019:** Project structuring, collection of sample data to start with, research and learning.
2. **January'2020:** Implementing cloud APIs and development
3. **February'2020:** Creating the design and UI in android
4. **March'2020:** Testing and Alpha release
5. **April'2020:** Beta release, debugging and final changes
6. **May'2020:** We're done. Publish to Google Play Store.



## Tell us about you.

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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.

Hi, I'm Prashant from Delhi, India; developing on Android since 2017 and currently working as a Software Developer at Internshala (A technology company on a mission to equip students with relevant skills & practical exposure through internships and online training), recently graduated in May'2019 with a Bachelor in Science degree (Computer Science). I've done multiple projects and internships in the second and third year of my college.

My interest resides in hackathons so, I along with my 5 colleagues organised a hackathon **hackCBS 1.0** and received god participation from all over India and recently in October'19, I've been invited as a Mentor in **hackCBS 2.0**.

Some of the technologies I've used and worked on so far are Google Firebase, Dialogflow, Google Actions, Retrofit and Volley, MySQL, PHP, Node.js, REST APIs.

My interest in Machine Learning started when I've successfully built and deployed my first Google Actions App build with Dialogflow, and got that cool swag (Google Assistant T-shirt) from Google. I want to explore and develop something that can be useful for people and affect their daily life.

**Projects:** I've also updated them in Google Form enlisted below.

### **Social Handles:**

LinkedIn: <https://www.linkedin.com/in/dev-prashant/>

Github: <http://github.com/Prashant-123/>

Facebook: <https://www.facebook.com/pk021998/>

Portfolio: <http://dev-prashant.co/>



## Next steps.

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- 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.](#)**