Tell us what your idea is.

I plan on creating a wallet managing voice app based on DialogFlow and a dashboard type app which will be released on Google Play after completion. The voice app will follow an account based system which will be linked through the voice interface redirect. Once the account is created and linked, one can manage his expenses by keeping a record of them using voice command. This has become essential as teens we all have money that we don't know where we have spent it. That money basically becomes out loss and due to unmanaged conditions it is difficult to manage the amount that has been spent or lost. This voice app will use classification based on statements that users give through voice to identity the expense as food, travel, etc. These classifiers will help end users to identify the amount they've spent on respective category to analyse their expenses. This voice app will have additional features like linking bank accounts and other payment systems based on availability on APIs from the respective vendors. Machine Learning tasks like classification, Natural Language Understanding, etc will be done by tensorflow as the underlying API. This could help solve the problem of unmanaged funds with individuals. Users could simply say "Hey Google, tell monistant I spent 200rs at Dominos". This will automatically deduct 200 from the balance the user has, ensuring sync between real money and digital record. And Keywords like Dominos will be used in classifier and identified as food and amount spent will be 200. There are various additions that can be made to this app and feedback is greatly appreciated as I follow flexible ideology. There will also be a dashboard / companion app created on React Native / Java that renderings statistics and graph one would find use of line average spend, weekly spend, etc.

Tell us how you plan on bringing it to life.

I plan on using Dialog flow and make use of custom server to work on most of the ML tasks. Basic graphs and statistics of the app can be rendered using on-device calculations and machine learning. This would remove the hassle of rendering on the cloud and only data has to be passed to the app. The other use is the classifier in Dialog flow as restaurants will be classified as food. Custom categories will also be an additional feature.

Currently I'm working on learning the DialogFlow golang api. I plan on starting the backend work first thing in January and complete the backend part and testing the voice app by 31st Jan. This will be the most crucial and 2nd most time consuming part as creating an interface in golang and the heart of the vui would have to be optimised to require minimum resources for computation and increase in efficiency, The companion app will be in works during Feb 2020 and I'll be done with it by the end of Feb so the testing and QA phase can begin for the next 2 weeks. That is the first two weeks of March. The app will be launched after that and till May 1st I'll be incrementing and adding features based on user feedback to refine the

application both at Voice App level and Companion app level while also working on Google Summer of Code 2020.

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.

I am Anirudh Jain, 3rd Year Undergrad from Bharati Vidyapeeth's College of Engineering New Delhi. I've worked on various frameworks and tools like React, React Native, Dialog flow. My github profile is https://github.com/anirudhjain75. I am currently working as an Open Source Developer as Metabrainz Foundation with whom I've completed Google Summer of Code 2019 successfully. I worked at musicbrainz, main project of metabrainz foundation during the summer. I spent a lot of time playing games and also learning about various gaming technologies which is where my tech background comes from. I'm currently enticed with enhancing lifestyle using IOT devices and assistants like Google Assistant and Amazon Alexa. I look for ways to make life easier and more comfortable as I've always been too lazy to get up and push switches on the switchboard. I worked on making them smart using relays and raspberrypi to enable smart switching hence easing my life by some factor. I do most of the projects during hackathons or team ups as deadlines bring out the most from me.
I'm happy if I receive help regarding the project and any suggestions on how the project can be improved would be very appreciated :)