**\*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.**

*My idea is based on simple problem solving for patients in which ML can be used to push the bar and make life of doctors easier. I propose to develop an android based system which will accept voice commands from the doctor using a mobile phone’s microphone and record the symptoms of patient , diagnose disease of the patient and prescription for the patient. This recorded voice will be converted to text and a patient sheet will be printed using internet connected printer. The PIS sheet will have patient details, symptoms, diagnose and prescription.This sheet will also be shared via email, whatsapp etc to the patient. Hence it will be easier for the patient to refer the prescription. Here ML will be used to analyze the prescriptions recommended by the doctor in the previous time and will generate effective result leads for repeating patients. The doctor can also use it to prescribe alternative medicines if the patient is not getting the prescribed medicine in first attempt.*

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

*First an android app will be developed to record voice command and convert those voice commands to text.*

*The text will be stored in printable format and can be shared with an internet connected printer.*

*The app will have command to give print from the printer.*

*Next the app will be linked to a medicine database which will be learned & populated by previous prescriptions of the doctor.*

**Tell us about you.**

I am an embedded software engineer working in IIT Kanpur India. My current research project in biophysical signal acquisition.  
 I have a strong inclination to use technology in changing the healthcare industry. I am highly interested in applications related to healthcare.

**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.**](https://docs.google.com/forms/d/e/1FAIpQLSe43koQL33IzgxXQl29Ex3AhFuqd4hQzxLiXREqwRkDGtx1vA/viewform?usp=sf_link)