

**Tell us what your idea is.**

*A shopping mobile app that will use Machine Learning to suggest/predict, based on users ‘shopping patterns, the most affordable shops per shopping items, the shops that offers the most specials, the best time of the year to expect specials.*

*The app will have to be fed with data coming from either scanning shopping slips (preferred method), or pics of items on the shelves inside shops (with their price tags on), scanning digital price tags or manual capturing from users. External data sources from shopping businesses can be put to contribution.*

*The machine learning feature of the app will combine these various data and make sense of them by notifying the users where they are more likely to shop certain items at lower prices, even which period or time of the year, some shops are likely to put items on specials. This will ensure that users will make substantial gain in terms of saving.*

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

*Although this idea is still at the conception phase, to leverage the potentials of Machine Learning, I intend to request help from Google in this regard:*

* *(1) Some robust library for OCR (Optic character recognition) to scan and make sense of text on shopping slips,*
* *(2) The availability of cloud computing to host a server*
* *(3) Time line to complete the project by May 1, 2020:*
  + *December 2019 - January 2020: Completing the search, test and selection of a robust OCR library*
  + *February 2020 – March 2020: Coding the mobile app*
  + *April 2020: Setting up of the server and user-testing of the app*

**Tell us about you.**

I am a software engineering for over 10 years. I have been mainly developing web-based application on the .Net framework. I started out mobile development 3 years ago, mainly as part of my moonlighting activities. I got very much hooked on mobile development eversince.