**Tell us what your idea is.**

Most simple tasks that require using smart phones seem to be quite a challenge for my grandpa. He lives in the rural eastern part of Nigeria. Tasks such as recharging airtime, finding where he dropped his phone and making mobile money transfers seem to be quite a challenge. Because of this I started working on a mobile app that helps to quickly and easily assist with his daily tasks. The first feature is an Airtime top up app. Using visual recognition, it can detect a recharge card and it's corresponding mobile carrier which it uses to automatically load the recharge card on his phone. This has helped reduce the time taken to load his airtime and has eased his worry about typing the recharge card numbers**.** There are many more elderly people like my grandpa in the rural eastern part Nigeria and in Africa in general. Apps that make life comfortable and exciting for senior citizens in rural areas that are not able to access reliable internet is a blessing. Using Machine Learning, I intend to develop an app that can help senior citizens with

* Recharging their mobile phones. (MVP ready)
* Detecting when they fall and quickly dialling a medical doctor's number. (Development ongoing)
* Convert lip movements to text. (Research ongoing)

**Plan:**

Currently, the project is an MVP. Here is a youtube video demo for the MVP (<https://www.youtube.com/watch?v=SZ3ygB6PfMc>). To be able to provide a better experience, more training has to be done to create a voice recognition network that can recognize deep african voices and accents. Custom visual recognition networks that can pick up information from text and act on them would be required. To this end, I'll need Google's expertise to fetch and analyze large scale data, free cloud compute ML services and a reasonable Adsense for a year.

The first feature which is to recharge mobile phones is in MVP. The second feature is undergoing dvelopment and the third would commence in February.

**Monthly goals:**

**January 2020**

* Run tests to detect a fall and call a doctor
* Research existing lips to text projects

**February 2020**

* Modify existing lips to text projects to suite my app's purpose
* Run tests on Lip to text

**March 2020**

* Update the User Interface and improve on the features available

**April 2020**

* More tests and improvement

**May 2020**

* **About Me.**

I'm a Nigerian software developer with proficiency in Android App development. I'm also good with PHP/Laravel which I use for backend tasks. I love algorithims and spend my free time solvig algorithmic questions on hackerrank.

* Certified Expert Hacker (<https://app.pluralsight.com/profile/joseph-nwanna>)
* Certified Expert Android developer (<https://app.pluralsight.com/profile/joseph-nwanna>)
* Top Java ranking in Nigeria (<https://www.hackerrank.com/leaderboard?filter=Nigeria&filter_on=country&page=1&track=java&type=practice>)
* Top SQL coder in Nigeria (<https://www.hackerrank.com/leaderboard?filter=Nigeria&filter_on=country&page=1&track=sql&type=practice>)
* Google Developer Group (GDG), Federal University of Technology,  Owerri.
* Andela Learning Community member.
* Winner, National Association of Computer Science Students (NACOSS),  2014 Exhibition Expo.
* Certified Android Mentor through Codespace Technologies

**Thing I've done and published**

* <http://kolanut.co>
* ​<https://tringoo.com>
* ​<https://play.google.com/store/apps/details?id=com.kolanut_new>
* ​<https://play.google.com/store/apps/details?id=com.handheld.quickadbox>
* I​mplementing Microsoft Cognitive Services-Face API -V1.0 using PHP (<https://medium.com/p/45cb9d2b0883/edit>)
* ​“Hello World” Intro to practical Machine Learning (<https://medium.com/@josephjoseph_85601/hello-world-intro-to-practical-machine-learning-f77325de2c36>)

**Profiles**

* Github: <https://github.com/4handheld>
* Kaggle : <https://www.kaggle.com/aiafrica/>
* PluralSight: <https://app.pluralsight.com/profile/joseph-nwanna>
* Hackerrank: <https://www.hackerrank.com/profile/2handheld>
* StackOverflow: <https://stackoverflow.com/users/6551928/>
* LinkedIn: <https://ng.linkedin.com/in/nnaemeka-nwanna-090b9b142>