

Idea

Meetings are part of our life whether it is a gathering with our friends discussing great ideas or sitting professionally in an office meeting room to discuss the upcoming project or maybe getting a business advice from your mentor. It is just very difficult to listen and write at the same time. Even if we dedicate a separate person for the writing part and scheduling part. It is just too hard to jot down everything ultimately leaving some great idea. We, Humans are supposed to do better work than this. To address this, a mobile application powered by on-device machine learning can address this everything. You just have to open the application and click the record button before your meeting. It will record your conversation and converts into text and separating into conversations of different persons i-e it will give you a name while labelling other people conversation with easy to tag feature. In order to convert the audio to text, I will using tensorflow for a neural network model. Now this text is processed by another on-device machine learning model which then extracts based on a template separating into attendees, agenda, main points, milestones, & future meetings which then synced with a calendar to set the relevant reminders necessary. All of this, with you focusing on the main stuff achieving the main agenda rather than organizing stuff.

Project Stage

The project is in the idea phase, so there is no any sample code as written.

Google Assistance

- Mentorship
- Utilization of Google Cloud Infrastructure
- Help from machine learning experts

Timeline

December

- UI/ UX Design and finalization of feature set.
- Customer Validation (Sample Group of 5 - 10 people)

January

- Development of mobile application without machine learning. Basic features include:
 - Audio Recorder Functionality Feature
 - Transcript Screen
 - Meeting Minutes Template Screen
- Research on how the machine learning can be utilized to solve this problem.
- Research on similar current solution deployed.

February - March

- Working with Google engineers to find out how this solution will be deployed?
- Deployment of online model
- Deployment of offline model
- Work on optimizations
- Multiple releases with continuous testing and deployment.

April

- Beta release
- Test in real environments
- Resolve any issues.

1st May

- Public Version Release

About Me

Inquisitive and risk-taker by nature, I have always undertaken projects that are technical, relatable, innovative and fun at the same time. After my graduation in 2018, I had started working on indoor navigation and founded Mapin Co. which can be found at <https://www.mapin.app>.

Along with understanding the nuances of business, I have been actively developing the technical side ranging from working Backend and Server Side to mobile application development solely.

There are some of the application which can be found here.

- **MapIn - Indoor Navigation & Deals**

An application to navigate indoors particularly malls. I have designed the backend architecture and developed the application solely. We were successful in incorporating one of the largest mall of Pakistan.

<https://play.google.com/store/apps/details?id=app.mapin.mapin>

- **MapIn Events**

Building upon the experience of MapIn, I have developed another application in partnership with one of the event organiser. The purpose was to give the event visitors a personal assistant where they get to know about the schedule and can locate and visit different stalls. The application got much appreciation. In this application, I have used the methodology of android architecture components. I was develop, deploy and test this application within a week. The application can be found here:

<https://play.google.com/store/apps/details?id=app.com.mapinevents>

Here is the GitHub link: <https://github.com/Amerkumar/mapin-events>

- **Centaurus Mall**

Building upon the experience of MapIn, I have also developed another application in partnership with one of the mall. The purpose was to give the mall visitors an experience where they can get to know about all the relevant deals and offers along with locating and navigating to the particular retails. The application can be found here:

<https://play.google.com/store/apps/details?id=app.com.thecentaurusmall>

Here is the GitHub link: <https://github.com/Amerkumar/centaurus-mall-application>

Nowadays, I have started to learn to flutter and I am enjoying it a lot. I am experimenting with web support of flutter and updating my portfolio site in flutter.

Here is the link to my portfolio site:

<https://amerkumar.github.io/>

(New Update Coming Soon)