0:0:0.0 --> 0:0:1.570  
Sricharan Amarnath  
Yesterday, late late night.

0:0:1.650 --> 0:0:12.180  
Sricharan Amarnath  
So I think it's it's for one of the client mostly maybe K PAT or Plaza maybe in fighter.

0:0:12.570 --> 0:0:15.440  
Sricharan Amarnath  
So either of them but but he respected that is fine.

0:0:15.450 --> 0:0:20.40  
Sricharan Amarnath  
So whoever is the client, it doesn't matter.

0:0:20.50 --> 0:0:25.250  
Sricharan Amarnath  
So, but we already done one project with one of the banking sector.

0:0:26.220 --> 0:0:28.770  
Sricharan Amarnath  
Uh called see you.

0:0:29.280 --> 0:0:38.910  
Sricharan Amarnath  
And you know, we will be, we will be helping us to get that uh empty repository or code of it.

0:0:39.120 --> 0:0:39.630  
Sricharan Amarnath  
OK.

0:0:39.840 --> 0:0:43.720  
Sricharan Amarnath  
So that is for and written, you know, documents.

0:0:44.540 --> 0:0:52.690  
Sricharan Amarnath  
Uh, they kind of, you know, extracted from the document, you know, but the results were was only 50 to 55 percentage.

0:0:53.160 --> 0:0:55.630  
Sricharan Amarnath  
Somehow that was like 3 years back.

0:0:56.160 --> 0:1:1.970  
Sricharan Amarnath  
They kind of did it, but now current technologies were maybe drastically changed.

0:1:2.480 --> 0:1:11.300  
Sricharan Amarnath  
So uh, the recent client wants to see whether we can achieve at least on 75% or 70% something like that.

0:1:11.310 --> 0:1:17.440  
Sricharan Amarnath  
They wanted to see actually and the new client, but there are two use cases to it, right?

0:1:17.450 --> 0:1:24.590  
Sricharan Amarnath  
So one is a the board, the board Board of Directors board meetings will be happening, right?

0:1:24.600 --> 0:1:31.170  
Sricharan Amarnath  
So in the board meetings, they kind of have a memos know documents.

0:1:31.440 --> 0:1:37.210  
Sricharan Amarnath  
So in that, you know, uh, the board meetings and they will have the voting mechanism, right?

0:1:37.220 --> 0:1:45.310  
Sricharan Amarnath  
So they'll have some online forms and then in that forms and they kind of put ticket check boxes will be there.

0:1:45.320 --> 0:1:52.740  
Sricharan Amarnath  
And all this, you know, small, you know, structured documents will be there, right.

0:1:52.750 --> 0:1:57.700  
Sricharan Amarnath  
So in that there will be some places where they get to fill up some informations on.

0:1:58.810 --> 0:2:2.450  
Sricharan Amarnath  
Based on that, you know handwritten characters, they will be filling up.

0:2:2.700 --> 0:2:3.60  
Sricharan Amarnath  
Uh.

0:2:3.700 --> 0:2:4.860  
Sricharan Amarnath  
Like manually they write it.

0:2:6.550 --> 0:2:13.440  
Sricharan Amarnath  
In that form, and then they they and then they will sign it and then send that document scanned or they will circulate to them.

0:2:13.480 --> 0:2:13.940  
Sricharan Amarnath  
OK.

0:2:14.510 --> 0:2:24.840  
Sricharan Amarnath  
So that is like a structured document where we can we need to extract the text alone and then and see whether he has put checkboxes speak or not.

0:2:24.850 --> 0:2:25.740  
Sricharan Amarnath  
And then what?

0:2:25.980 --> 0:2:31.290  
Sricharan Amarnath  
And and in the filling in the blanks like what day is filled up.

0:2:31.340 --> 0:2:47.250  
Sricharan Amarnath  
OK, that is to be one you know use case they are looking for like you know for I level or the board of members like their form will be there but getting that you know samples is is another story.

0:2:47.260 --> 0:2:48.780  
Sricharan Amarnath  
OK, so we cannot get there.

0:2:49.530 --> 0:3:12.510  
Sricharan Amarnath  
Uh memos, but we can see with the public data, at least, you know, a simple document, even any public data with a simple document, where with all the you know, options, uh, like radio buttons and checkboxes, a trivial things with that information and also, you know, with handwritten informations in it, right?

0:3:12.520 --> 0:3:20.230  
Sricharan Amarnath  
So such that we can we need to extract or English and maybe for German first is English.

0:3:20.240 --> 0:3:21.230  
Sricharan Amarnath  
Then we'll look for German.

0:3:22.230 --> 0:3:22.640  
Sricharan Amarnath  
OK.

0:3:23.10 --> 0:3:27.720  
Sricharan Amarnath  
So that is that is A1 use case that they are talking about.

0:3:28.70 --> 0:3:29.250  
Sricharan Amarnath  
Another one is like you know.

0:3:31.360 --> 0:3:32.360  
Sricharan Amarnath  
The the the.

0:3:34.920 --> 0:3:35.800  
Sricharan Amarnath  
Sorry, that is the the.

0:3:35.810 --> 0:3:41.30  
Sricharan Amarnath  
The other one is the memos and checks for the bank, bus service and the later one was talking us.

0:3:41.440 --> 0:3:42.350  
Sricharan Amarnath  
There's a board of meeting.

0:3:42.360 --> 0:3:50.740  
Sricharan Amarnath  
There are some forms form form uh forms for the voting mechanism and then the memos and the checks for the banking sector.

0:3:50.790 --> 0:3:54.280  
Sricharan Amarnath  
Like you know, they kind of have some share loans, right?

0:3:54.610 --> 0:3:57.300  
Sricharan Amarnath  
So the challenge kind of thing will be there.

0:3:57.970 --> 0:3:59.330  
Sricharan Amarnath  
People be writing.

0:3:59.830 --> 0:4:4.340  
Sricharan Amarnath  
Uh nomination or some name and whatever, right?

0:4:4.350 --> 0:4:8.680  
Sricharan Amarnath  
So they kind of fill up that even users have that same similar type of it.

0:4:8.760 --> 0:4:10.770  
Sricharan Amarnath  
Ohh Chelan kind of thing.

0:4:10.780 --> 0:4:14.770  
Sricharan Amarnath  
But then also check and chalons and different drafts will be there.

0:4:15.80 --> 0:4:21.530  
Sricharan Amarnath  
So it's like, you know, every, every, you know industry maybe have done it.

0:4:21.860 --> 0:4:26.890  
Sricharan Amarnath  
Only thing is getting the handwritten part is going to be trickier and challenging.

0:4:27.360 --> 0:4:37.420  
Sricharan Amarnath  
They the only thing is, you know we we wanted to see how much accuracy we can get for English 1st and see with any of the you know.

0:4:38.810 --> 0:4:39.420  
Sricharan Amarnath  
Umm.

0:4:41.50 --> 0:4:44.400  
Sricharan Amarnath  
Approach that you know, even if it is cloud, it's fine.

0:4:44.510 --> 0:4:49.550  
Sricharan Amarnath  
Like you know, Google OCR or Azure OCR, whatever right?

0:4:50.300 --> 0:4:51.830  
Sricharan Amarnath  
And that is also fine.

0:4:51.880 --> 0:4:58.490  
Sricharan Amarnath  
End of the day, because we are gonna, they're not going to worry about which services are which approach we are going to use it it.

0:4:58.740 --> 0:5:4.900  
Sricharan Amarnath  
So we need to leverage whatever it no and services are disposable.

0:5:4.910 --> 0:5:7.920  
Sricharan Amarnath  
We can use it and then we need to solve it.

0:5:7.930 --> 0:5:15.710  
Sricharan Amarnath  
That's all will be creating another day, some some kind of a, you know, solution to that solution can be aligning towards anything, right?

0:5:15.720 --> 0:5:19.860  
Sricharan Amarnath  
So not something which we create on our own, right?

0:5:20.570 --> 0:5:31.320  
Sricharan Amarnath  
So we wanted to see that to to see how we can explore these two things and you know, showcase a a small demo of it.

0:5:34.170 --> 0:5:38.520  
Sricharan Amarnath  
So this is like an internal like quick car and the task that we see for now.

0:5:39.660 --> 0:5:39.790  
Rinisha M  
Yeah.

0:5:40.530 --> 0:5:43.500  
Rinisha M  
Yeah, so both Tasker was here based only, right?

0:5:54.850 --> 0:5:55.0  
Rinisha M  
And.

0:5:43.770 --> 0:5:55.200  
Sricharan Amarnath  
That correct exactly both are like Android they their mainly seeing since we in the decap space right Decap is no more more on the document a extraction SAS product right?

0:5:55.450 --> 0:6:43.160  
Sricharan Amarnath  
So when we talk to the clients, they also some clients, OK, they, they they most majorly interested invite extraction or some kind of you know receipts and invoices and all those things are PO's bomb, bomb extraction or design document and that there was other this cases that we go out and other clients also interested but this this guy this client is interested to see whether you guys have expertise in uh and capability in extracting and written text also OK but up front we will tell people that we don't have that whatever we will also tell that you know whatever cloud approaches providing that is what we are also leveraging out of the box we are not doing anything on our own for and written at this moment like that we up front will tell them OK.

0:6:43.240 --> 0:6:49.100  
Sricharan Amarnath  
But even though this this team, this client is asking better.

0:6:49.270 --> 0:6:50.330  
Sricharan Amarnath  
OK, OK.

0:6:50.340 --> 0:6:59.940  
Sricharan Amarnath  
Whether we can achieve something like sound Sunday, Sunday, Sunday to Sunday percent one, just one simple documents like this which I stated so they wanted to have some solution towards it.

0:7:0.390 --> 0:7:4.70  
Sricharan Amarnath  
Even if you're leveraging anything, right, so that is what they are looking at.

0:7:5.130 --> 0:7:5.430  
Rinisha M  
OK.

0:7:10.200 --> 0:7:10.440  
Sricharan Amarnath  
Correct.

0:7:5.440 --> 0:7:11.660  
Rinisha M  
So previously you had mentioned right three years before we had a use some service which one is that.

0:7:12.880 --> 0:7:15.200  
Sricharan Amarnath  
And that is some SU bank they've done.

0:7:15.780 --> 0:7:20.480  
Sricharan Amarnath  
Uh, we have to check with Mt folks to see where.

0:7:17.660 --> 0:7:20.520  
Rinisha M  
So OK, is it tesseract?

0:7:19.740 --> 0:7:29.910  
Venkata Ravi Rajkumar Sonti  
Uh yeah, rinisha rinisha that could be most probably I Azure services because at that time we are actively using those services.

0:7:30.310 --> 0:7:30.670  
Rinisha M  
OK.

0:7:30.300 --> 0:7:34.460  
Venkata Ravi Rajkumar Sonti  
So you know that is what Nisam was checking with the MOURITECH team.

0:7:34.480 --> 0:7:36.970  
Venkata Ravi Rajkumar Sonti  
To get some update on that.

0:7:37.80 --> 0:7:40.330  
Venkata Ravi Rajkumar Sonti  
So yeah, hopefully once we got that we can.

0:7:40.660 --> 0:7:43.120  
Venkata Ravi Rajkumar Sonti  
You know, you guys, we can we we all can again and then once.

0:7:43.770 --> 0:7:44.450  
Rinisha M  
OK, OK.

0:7:44.800 --> 0:7:45.590  
Nisam Mudheen  
Yeah.

0:7:45.660 --> 0:7:45.930  
Nisam Mudheen  
Yeah.

0:7:45.940 --> 0:7:49.90  
Nisam Mudheen  
Regarding that actually Ravi, I connected with the Akhil Ranga.

0:7:51.770 --> 0:7:51.980  
Venkata Ravi Rajkumar Sonti  
Yeah.

0:7:50.280 --> 0:7:55.610  
Nisam Mudheen  
So he told me, like Jeevana used to work on that production part.

0:7:56.840 --> 0:7:57.430  
Sricharan Amarnath  
Geneva.

0:7:55.660 --> 0:7:58.420  
Nisam Mudheen  
So, uh yeah.

0:7:58.670 --> 0:7:59.670  
Nisam Mudheen  
Even after MOURI tech.

0:8:0.290 --> 0:8:1.570  
Sricharan Amarnath  
Yeah, yeah, yeah.

0:7:59.680 --> 0:8:2.500  
Nisam Mudheen  
So I think if you follow up, yeah.

0:8:3.420 --> 0:8:3.690  
Sricharan Amarnath  
OK.

0:8:3.700 --> 0:8:4.90  
Sricharan Amarnath  
I'll I'll.

0:8:4.100 --> 0:8:5.70  
Sricharan Amarnath  
I'll connect with her today.

0:8:5.510 --> 0:8:6.40  
Nisam Mudheen  
OK.

0:8:6.50 --> 0:8:6.460  
Nisam Mudheen  
Thanks.

0:8:6.470 --> 0:8:6.990  
Nisam Mudheen  
Yeah, sure.

0:8:7.450 --> 0:8:8.580  
Sricharan Amarnath  
So what is the project name?

0:8:9.970 --> 0:8:10.440  
Nisam Mudheen  
I see you.

0:8:9.190 --> 0:8:12.290  
Sricharan Amarnath  
Is it like ACOM itself or like SE only right?

0:8:11.660 --> 0:8:14.660  
Nisam Mudheen  
Yeah, it's your document extraction with the decap.

0:8:15.970 --> 0:8:16.280  
Sricharan Amarnath  
OK.

0:8:16.880 --> 0:8:17.20  
Nisam Mudheen  
Yeah.

0:8:16.790 --> 0:8:17.480  
Sricharan Amarnath  
OK, fine.

0:8:17.490 --> 0:8:18.140  
Sricharan Amarnath  
Let me check.

0:8:18.150 --> 0:8:18.700  
Sricharan Amarnath  
Let me check.

0:8:20.280 --> 0:8:22.830  
Eswar Poluri  
I'm getting this a PepsiCo also.

0:8:18.710 --> 0:8:23.80  
Sricharan Amarnath  
OK, so by any yeah, sure.

0:8:22.840 --> 0:8:27.490  
Eswar Poluri  
We have done some kind of the same like text extraction kind of things, right?

0:8:27.540 --> 0:8:31.450  
Eswar Poluri  
But it is not relevant to like a a handwritten note. I'm.

0:8:33.920 --> 0:8:35.820  
Sricharan Amarnath  
Not with the PepsiCo at this moment.

0:8:37.60 --> 0:8:40.520  
Sricharan Amarnath  
Website Go ohh no.

0:8:41.430 --> 0:8:41.730  
Sricharan Amarnath  
Yeah.

0:8:41.740 --> 0:8:48.300  
Sricharan Amarnath  
We haven't done anything really with Pepsi, PepsiCo, we were not doing this.

0:8:48.350 --> 0:8:49.570  
Sricharan Amarnath  
That is like a printed document.

0:8:49.580 --> 0:8:51.520  
Sricharan Amarnath  
That is for artwork labeling.

0:8:52.550 --> 0:8:52.850  
Eswar Poluri  
OK.

0:8:52.130 --> 0:8:58.540  
Sricharan Amarnath  
That is for, you know, based on uh VQA model visual question answering model.

0:8:59.400 --> 0:8:59.700  
Eswar Poluri  
OK.

0:8:59.600 --> 0:9:10.400  
Sricharan Amarnath  
Uh, that is that artwork label is are there, right, like on products and each and every product they you, you will see, right that artwork labels will be sticked on it, right?

0:9:10.170 --> 0:9:10.600  
Eswar Poluri  
Yeah.

0:9:10.650 --> 0:9:12.250  
Eswar Poluri  
Yeah. Umm.

0:9:10.410 --> 0:9:12.520  
Sricharan Amarnath  
Every product has it so.

0:9:15.960 --> 0:9:16.280  
Eswar Poluri  
OK.

0:9:13.20 --> 0:9:18.150  
Sricharan Amarnath  
So they have that PDF design OK, so that PDF design will be there.

0:9:18.990 --> 0:9:29.420  
Sricharan Amarnath  
Uh, like an external third party vendor will have a A who will be designing that based on the reference guide that they have.

0:9:29.490 --> 0:9:31.700  
Sricharan Amarnath  
Let's say I'm gonna launch some product quickly.

0:9:32.90 --> 0:9:33.930  
Sricharan Amarnath  
For this, let's say IPL.

0:9:35.130 --> 0:9:35.370  
Eswar Poluri  
Umm.

0:9:33.980 --> 0:9:44.510  
Sricharan Amarnath  
OK, I wanted to quickly put some new labels to it, new things and then publish put launch it in the IPL sees it OK.

0:9:45.120 --> 0:9:52.190  
Sricharan Amarnath  
So for that they will give this details to a third party vendor designing team.

0:9:53.300 --> 0:9:57.150  
Sricharan Amarnath  
They kind of do it within 2-3 days rapidly and then give it back.

0:9:57.400 --> 0:10:1.310  
Sricharan Amarnath  
OK, so like that every region every you know?

0:10:1.370 --> 0:10:7.290  
Sricharan Amarnath  
Don't the uh, you know stated that have that kind of a thing happening.

0:10:7.300 --> 0:10:18.660  
Sricharan Amarnath  
Right, so here it's the IPL somewhere it is a football leagues, so everywhere it is some not only for sports, but there could be some different scenarios also.

0:10:18.870 --> 0:10:19.280  
Eswar Poluri  
Yeah.

0:10:19.350 --> 0:10:20.100  
Eswar Poluri  
And then, yeah.

0:10:19.170 --> 0:10:26.680  
Sricharan Amarnath  
So they kind of they kind of know flooded with the third party vendor designing team but they kind of rapidly do it and then send it.

0:10:26.890 --> 0:10:28.520  
Sricharan Amarnath  
But they wanted to validate.

0:10:28.830 --> 0:10:35.360  
Sricharan Amarnath  
So before putting in the in the ad or somewhere, they have to validate right how they validate.

0:10:38.130 --> 0:10:38.370  
Eswar Poluri  
Umm.

0:10:45.50 --> 0:10:45.210  
Eswar Poluri  
Yeah.

0:10:35.410 --> 0:10:53.290  
Sricharan Amarnath  
So right now manually they're validating it with the UI on scene with the those, let's say brand is correctly present in the right hand side and you know the barcodes are there and then all barcodes are proper and nutritional facts are correct, right?

0:10:53.660 --> 0:10:55.220  
Sricharan Amarnath  
Facts should be proper, right?

0:10:55.280 --> 0:10:57.310  
Sricharan Amarnath  
Is it 20% two percent saturation?

0:11:1.700 --> 0:11:1.960  
Eswar Poluri  
OK.

0:10:57.320 --> 0:11:18.700  
Sricharan Amarnath  
So those things are to be validated OK ingredients and nutritional facts as to be validated and all the tech and the logos, everything's to be validated, whether it's not only text validation but also you know the position of the logos and other things like you know that 30 degree or 40 degree that all those things they have to validate.

0:11:19.430 --> 0:11:19.720  
Eswar Poluri  
Talk.

0:11:18.910 --> 0:11:23.820  
Sricharan Amarnath  
OK, so both both vision and text both are there.

0:11:23.930 --> 0:11:27.990  
Sricharan Amarnath  
OK, so that's why they wanted to see whether we can use.

0:11:28.550 --> 0:11:29.820  
Sricharan Amarnath  
So we give a model over.

0:11:29.950 --> 0:11:38.310  
Sricharan Amarnath  
So we are we already proposed from IBM, we already proposed some ideas on you know a pipeline to them.

0:11:38.860 --> 0:11:39.60  
Sricharan Amarnath  
OK.

0:11:40.380 --> 0:11:43.150  
Sricharan Amarnath  
And and they're they're they're kickstarting it.

0:11:43.410 --> 0:11:47.230  
Sricharan Amarnath  
OK, so I think that is what we are looking for.

0:11:49.90 --> 0:11:53.120  
Sricharan Amarnath  
One guy will be working from US, another guy is from India.

0:11:53.130 --> 0:12:1.710  
Sricharan Amarnath  
We wanted to on board some people, but we are we are looking for a candidate who can work on the weekend models also, OK.

0:12:2.800 --> 0:12:3.160  
Sricharan Amarnath  
Umm.

0:12:3.910 --> 0:12:14.350  
Sricharan Amarnath  
Like let's say for donate or pixel stack things like that we wanted to see how we can, you know, work on that so that there is an immediate opening with the project is there.

0:12:14.700 --> 0:12:16.770  
Sricharan Amarnath  
So it's a nice project actually.

0:12:23.90 --> 0:12:23.410  
Eswar Poluri  
OK.

0:12:16.820 --> 0:12:26.990  
Sricharan Amarnath  
So, uh, I think I had the architecture diagram, but that is a a different thing like that is based on native PDF that is like you know.

0:12:29.230 --> 0:12:35.70  
Sricharan Amarnath  
We need to extract some details out of it and validate there will be a reference document with that reference document.

0:12:35.380 --> 0:12:44.540  
Sricharan Amarnath  
We need to validate across that again, so every region they have some reference document that is another use case that is Nice.

0:12:44.550 --> 0:12:45.270  
Sricharan Amarnath  
But if I basically.

0:12:45.800 --> 0:12:46.530  
Sricharan Amarnath  
Yeah.

0:12:46.610 --> 0:12:50.990  
Sricharan Amarnath  
So this is the only use case on the document extraction side.

0:12:51.160 --> 0:12:52.200  
Sricharan Amarnath  
I think we are going.

0:12:53.360 --> 0:13:1.480  
Eswar Poluri  
OK, OK, so currently use case we have like a fixed kind of like a a document templates like checks or something like that or it may be like any anything?

0:13:2.480 --> 0:13:4.270  
Sricharan Amarnath  
So current current ones, right?

0:13:4.340 --> 0:13:9.950  
Sricharan Amarnath  
I'll tell you so currently with BH even yesterday there is a lot of challenges.

0:13:10.0 --> 0:13:11.140  
Sricharan Amarnath  
OK so.

0:13:13.400 --> 0:13:14.520  
Sricharan Amarnath  
They and they are going by.

0:13:15.340 --> 0:13:20.790  
Sricharan Amarnath  
Uh, we we are going by actually uh data sheets.

0:13:20.800 --> 0:13:23.130  
Sricharan Amarnath  
Yeah, I think you might have seen the sample of data sheets, right?

0:13:23.260 --> 0:13:23.740  
Eswar Poluri  
Yeah, yeah.

0:13:23.340 --> 0:13:30.110  
Sricharan Amarnath  
That is a challenging, challenging task that we are doing with a BH client.

0:13:41.640 --> 0:13:41.710  
Eswar Poluri  
E.

0:13:44.540 --> 0:13:45.940  
Eswar Poluri  
All, all the documents here.

0:13:30.520 --> 0:13:47.640  
Sricharan Amarnath  
OK, so they're looking for a generic solution, which is not possible that the the in their world they think generalized generic Model 1 model which helps to extract different templates, different templates, documents.

0:13:48.70 --> 0:13:53.20  
Sricharan Amarnath  
But the fields are fields, extraction fields are same. Let's say uh.

0:13:53.400 --> 0:13:55.130  
Sricharan Amarnath  
Let me share it, OK.

0:14:11.140 --> 0:14:12.630  
Sricharan Amarnath  
So let me see here.

0:14:12.640 --> 0:14:18.640  
Sricharan Amarnath  
Right, so here let's say this is tag number.

0:14:18.690 --> 0:14:25.450  
Sricharan Amarnath  
OK, so it it is present in a small small table tabular structure which is OK.

0:14:42.850 --> 0:14:43.90  
Eswar Poluri  
Yeah.

0:14:27.20 --> 0:14:44.70  
Sricharan Amarnath  
So they want this tag field and then they want let's say serial number where is the serial number somewhere serial number will be present valve type is there somewhere end user so end users.

0:14:43.100 --> 0:14:47.80  
Eswar Poluri  
See the number of S phone number there is service order number, yeah.

0:14:48.200 --> 0:14:53.700  
Sricharan Amarnath  
Uh, so here end user they want OK and then.

0:14:59.270 --> 0:14:59.510  
Eswar Poluri  
Yeah.

0:14:59.520 --> 0:15:1.430  
Eswar Poluri  
These these type of dash, it's yeah, yeah.

0:15:1.440 --> 0:15:2.950  
Eswar Poluri  
Visually we can able to understand.

0:15:4.40 --> 0:15:4.330  
Sricharan Amarnath  
Get it?

0:15:2.960 --> 0:15:5.450  
Eswar Poluri  
But uh, extracting it is better challenging.

0:15:5.580 --> 0:15:7.90  
Sricharan Amarnath  
Extracting it is tough, right?

0:15:7.100 --> 0:15:8.750  
Sricharan Amarnath  
So see that is fine.

0:15:8.760 --> 0:15:9.870  
Sricharan Amarnath  
So this is 1 template.

0:15:9.880 --> 0:15:14.660  
Sricharan Amarnath  
OK, now if I open the other one now, it is different.

0:15:27.600 --> 0:15:27.880  
Eswar Poluri  
Yeah.

0:15:15.100 --> 0:15:42.590  
Sricharan Amarnath  
Here also same informations are there customer, PO number, item description you're also if you see uh value the tag number is there here in a different table it is there tag number see Val serial number is there we wanted to extract the serial number here but again if you go Scroll down something similar to that previous document it is so then model number is there OK and then we need to extract the model number from here and.

0:15:44.650 --> 0:15:46.170  
Sricharan Amarnath  
Different informations on the here.

0:15:47.110 --> 0:15:49.160  
Sricharan Amarnath  
There'll be a vertical text also is there?

0:15:49.170 --> 0:16:2.110  
Sricharan Amarnath  
And then here the table let's say for accessories they did it is accepted or not or positioner like there is like multiple lenders are there.

0:16:2.550 --> 0:16:9.40  
Sricharan Amarnath  
How do you know which it is for which totally you know complex, right?

0:16:10.150 --> 0:16:10.450  
Eswar Poluri  
Yeah.

0:16:9.430 --> 0:16:11.590  
Sricharan Amarnath  
So this is like.

0:16:10.500 --> 0:16:12.440  
Eswar Poluri  
Yeah, Del templates are freeze rate.

0:16:12.450 --> 0:16:16.420  
Eswar Poluri  
It will be like a completely new template came up, then it will match up with that.

0:16:15.900 --> 0:16:17.540  
Sricharan Amarnath  
Ah, and then you can.

0:16:17.550 --> 0:16:18.640  
Sricharan Amarnath  
You need to design right?

0:16:17.810 --> 0:16:19.380  
Eswar Poluri  
And get it.

0:16:18.750 --> 0:16:21.430  
Sricharan Amarnath  
So how do you know those people?

0:16:21.440 --> 0:16:22.500  
Sricharan Amarnath  
They know this.

0:16:31.850 --> 0:16:31.990  
Eswar Poluri  
Yeah.

0:16:22.510 --> 0:16:35.850  
Sricharan Amarnath  
This is this templates are not possible to because there could be N number of templates coming in for one vendor itself there could be many templates OK if I go into next client then it could be I cannot go by template based right?

0:16:36.360 --> 0:16:36.700  
Eswar Poluri  
Umm.

0:16:36.360 --> 0:16:45.540  
Sricharan Amarnath  
It's not going to be successful or I need to have a lot of manpower to validate and then do all those things has to be right.

0:16:48.900 --> 0:16:49.140  
Eswar Poluri  
Good.

0:16:45.830 --> 0:16:49.510  
Sricharan Amarnath  
So they want to automate some of, but how do you automate it?

0:16:51.0 --> 0:16:54.690  
Sricharan Amarnath  
Again, audio automated is a big question, right?

0:16:56.140 --> 0:16:56.260  
Eswar Poluri  
Yeah.

0:16:56.310 --> 0:16:57.120  
Sricharan Amarnath  
They want to see.

0:16:57.130 --> 0:17:0.300  
Sricharan Amarnath  
Have some see in their aspect they want a generalized model.

0:17:2.140 --> 0:17:10.870  
Sricharan Amarnath  
Which can which can help to extract even let's say they're not even looking like, you know gene based models.

0:17:10.880 --> 0:17:11.270  
Sricharan Amarnath  
OK.

0:17:11.480 --> 0:17:29.230  
Sricharan Amarnath  
But they want what they want is let's say you have ML OPS pipeline which can extract this for the current uh for the for let's say for the current templates you have created a model, OK and then your model is kind of extracting informations.

0:17:29.520 --> 0:17:30.480  
Sricharan Amarnath  
A new template comes.

0:17:32.400 --> 0:17:35.600  
Sricharan Amarnath  
Is it possible to learn it quickly by providing some feedbacks?

0:17:35.610 --> 0:17:46.770  
Sricharan Amarnath  
And then let's say an SME comes and say that this is what it is, and then you capture it and then you can kind of auto retrain them and then it gradually things set up and then for new things.

0:17:46.940 --> 0:17:48.770  
Sricharan Amarnath  
So that is also fine for them.

0:17:49.20 --> 0:17:49.200  
Sricharan Amarnath  
OK.

0:17:49.910 --> 0:17:50.190  
Eswar Poluri  
OK.

0:17:51.30 --> 0:17:55.980  
Sricharan Amarnath  
But there are a lot of complexities that there there even for that pipeline also, right.

0:17:56.90 --> 0:18:3.90  
Sricharan Amarnath  
So we wanted to see tea for step back for a minute and see, like, you know, these are like real world challenges.

0:18:4.80 --> 0:18:4.220  
Eswar Poluri  
Yeah.

0:18:4.120 --> 0:18:7.110  
Sricharan Amarnath  
How do we have a solution for this type of things?

0:18:7.120 --> 0:18:16.760  
Sricharan Amarnath  
Even not generalized model, but let's say even if you create a pipeline which is like you know turn around time should be OK.

0:18:16.930 --> 0:18:18.680  
Sricharan Amarnath  
But yeah, I'll provide some samples.

0:18:19.200 --> 0:18:29.190  
Sricharan Amarnath  
So can you quickly, you know, adapt to it and then for the new, uh, I, you know documents that is coming through like this type of templates, it has to be extracted.

0:18:29.340 --> 0:18:38.650  
Sricharan Amarnath  
OK, so it it has to be a you have to have a smart tool which can assist you to pick up new things and then learn it quickly and then do it.

0:18:38.780 --> 0:18:41.830  
Sricharan Amarnath  
It's basically so that is also fine, right?

0:18:41.840 --> 0:18:47.150  
Sricharan Amarnath  
So nobody can have 100%, you know, automated extraction of it, right.

0:18:47.160 --> 0:18:49.210  
Sricharan Amarnath  
So you need to bridge that gap.

0:18:49.260 --> 0:18:54.260  
Sricharan Amarnath  
But yeah, there are a lot of different templates for there.

0:18:54.270 --> 0:18:55.560  
Sricharan Amarnath  
Each and every see.

0:18:55.570 --> 0:18:59.80  
Sricharan Amarnath  
This is so somewhere it will be serial number somewhere.

0:18:59.90 --> 0:19:0.740  
Sricharan Amarnath  
It will be different in year end.

0:19:0.750 --> 0:19:4.470  
Sricharan Amarnath  
User uh will be in different places.

0:19:4.520 --> 0:19:5.630  
Sricharan Amarnath  
See here it is.

0:19:5.640 --> 0:19:6.450  
Sricharan Amarnath  
End user is dull.

0:19:6.500 --> 0:19:9.890  
Sricharan Amarnath  
There it was in different table information and here it was in different.

0:19:10.120 --> 0:19:11.250  
Sricharan Amarnath  
Here it is the serial number.

0:19:11.260 --> 0:19:12.750  
Sricharan Amarnath  
Somewhere it will be serial hash.

0:19:13.820 --> 0:19:14.210  
Sricharan Amarnath  
OK.

0:19:14.520 --> 0:19:23.300  
Sricharan Amarnath  
So those are the things, uh, we give you, you know, we are facing as a challenge basically, right, so.

0:19:23.600 --> 0:19:25.310  
Rinisha M  
Can we go to the previous template?

0:19:25.420 --> 0:19:26.910  
Rinisha M  
The one that you were showing.

0:19:26.920 --> 0:19:27.390  
Rinisha M  
So where?

0:19:27.430 --> 0:19:29.540  
Sricharan Amarnath  
Yet here, right.

0:19:31.20 --> 0:19:33.490  
Rinisha M  
Yeah, not this one.

0:19:36.570 --> 0:19:36.730  
Sricharan Amarnath  
Yeah.

0:19:34.240 --> 0:19:37.250  
Rinisha M  
The one before this serial number you were.

0:19:39.790 --> 0:19:40.90  
Sricharan Amarnath  
This one.

0:19:42.70 --> 0:19:48.810  
Rinisha M  
Daily because, uh, there manually, I'm not able to find the serial number.

0:19:48.820 --> 0:19:52.10  
Rinisha M  
How can be expect the model to do it so?

0:19:51.440 --> 0:19:54.10  
Sricharan Amarnath  
But here value serial number here it is right.

0:19:53.650 --> 0:19:54.540  
Rinisha M  
Uh, it's yeah.

0:19:54.550 --> 0:19:55.260  
Rinisha M  
Here it is fine.

0:19:55.270 --> 0:19:57.540  
Rinisha M  
It's in the tabular form, in the other one.

0:19:57.550 --> 0:20:0.650  
Rinisha M  
It was looking without any order.

0:20:1.700 --> 0:20:2.40  
Sricharan Amarnath  
This one.

0:20:3.80 --> 0:20:3.290  
Rinisha M  
No.

0:20:3.340 --> 0:20:6.480  
Eswar Poluri  
Online with the tablet means data.

0:20:6.540 --> 0:20:8.640  
Eswar Poluri  
It is overlapped with lines and all those that sheet.

0:20:8.650 --> 0:20:9.480  
Eswar Poluri  
I think she's a.

0:20:12.570 --> 0:20:14.640  
Rinisha M  
So can we go through the other templates also?

0:20:15.650 --> 0:20:15.880  
Sricharan Amarnath  
No.

0:20:15.890 --> 0:20:16.140  
Sricharan Amarnath  
See.

0:20:20.300 --> 0:20:20.530  
Rinisha M  
Yeah.

0:20:16.330 --> 0:20:20.900  
Sricharan Amarnath  
See, sometimes the document may have serial number or may not have.

0:20:21.420 --> 0:20:22.160  
Rinisha M  
Hmm. Hmm.

0:20:26.80 --> 0:20:26.290  
Rinisha M  
Umm.

0:20:21.50 --> 0:20:26.660  
Sricharan Amarnath  
OK, they they're given the entire document like you know, it's like, you know five page document.

0:20:26.880 --> 0:20:31.740  
Sricharan Amarnath  
We just wanted to see whether serial number, serial or serial number serial number hash.

0:20:32.70 --> 0:20:34.560  
Sricharan Amarnath  
That could be it is present or not in the document.

0:20:34.870 --> 0:20:36.180  
Sricharan Amarnath  
That's what they wanted to see.

0:20:36.310 --> 0:20:37.610  
Sricharan Amarnath  
OK, so sometimes.

0:20:42.250 --> 0:20:42.560  
Sricharan Amarnath  
Feels.

0:20:36.860 --> 0:20:46.520  
Rinisha M  
So is it like they have some number of uh, you know, the specific fields that they want to extract from any kind of template?

0:20:44.460 --> 0:20:47.370  
Sricharan Amarnath  
Ah yeah, exactly correct.

0:20:47.380 --> 0:20:48.270  
Sricharan Amarnath  
Correct, exactly.

0:20:48.280 --> 0:20:49.730  
Sricharan Amarnath  
Specific fields only are there.

0:20:50.290 --> 0:20:50.500  
Rinisha M  
Umm.

0:20:49.860 --> 0:20:55.450  
Sricharan Amarnath  
So for example, serial number, end user, vendor name, end user, nothing but the vendor name.

0:20:55.460 --> 0:21:6.940  
Sricharan Amarnath  
Maybe so end user vendor name and then tag number, model number, temperature, pressure gauge, some around some tin fields they wanted to extract musically.

0:21:8.150 --> 0:21:8.350  
Rinisha M  
OK.

0:21:9.500 --> 0:21:17.360  
Sricharan Amarnath  
Fields are fields are did but even the fields names will be sometimes different like serial, serial, hash, serial number.

0:21:17.650 --> 0:21:19.800  
Sricharan Amarnath  
So there will be variational of serial number itself.

0:21:19.810 --> 0:21:20.340  
Sricharan Amarnath  
It will be there.

0:21:20.460 --> 0:21:23.590  
Sricharan Amarnath  
OK, so that we need to capture first.

0:21:22.430 --> 0:21:34.840  
Rinisha M  
So it would be, yeah, it would be like the Q&A in gene A we upload a PDF document and on top of it, if you're asking any questions, it would be able to answer it right, something similar to it.

0:21:36.10 --> 0:21:36.230  
Sricharan Amarnath  
Right.

0:21:40.70 --> 0:21:40.780  
Sricharan Amarnath  
Exactly.

0:21:34.850 --> 0:21:41.510  
Rinisha M  
So in this template, if I'm looking for serial number, it has to extract that OK.

0:21:40.910 --> 0:21:42.320  
Sricharan Amarnath  
See, even for Jane.

0:21:46.200 --> 0:21:46.490  
Rinisha M  
Sure.

0:21:49.410 --> 0:21:49.650  
Rinisha M  
Umm.

0:21:42.330 --> 0:21:55.740  
Sricharan Amarnath  
Also you can you can have a regular model also here see we give a model visual question answer model also can work but if it is like in the same same line like you know key value path so hey this is question this is key.

0:21:55.750 --> 0:21:59.200  
Sricharan Amarnath  
This is value means it can able to extract and learn towards it.

0:21:59.510 --> 0:22:4.30  
Sricharan Amarnath  
But looks like you know text tested description is here.

0:22:4.320 --> 0:22:6.270  
Sricharan Amarnath  
Maybe the part number or something here.

0:22:6.520 --> 0:22:6.990  
Sricharan Amarnath  
OK.

0:22:7.30 --> 0:22:7.360  
Rinisha M  
Umm.

0:22:7.180 --> 0:22:8.970  
Sricharan Amarnath  
Or sometimes you know, sometimes.

0:22:8.980 --> 0:22:10.850  
Sricharan Amarnath  
Let's let's say accessories.

0:22:11.320 --> 0:22:15.210  
Sricharan Amarnath  
But for example, let me provide a path.

0:22:15.400 --> 0:22:24.330  
Sricharan Amarnath  
So related travel the and if you see actual I want this one means how you it ask that question properly.

0:22:24.340 --> 0:22:24.590  
Rinisha M  
Umm.

0:22:24.710 --> 0:22:33.590  
Sricharan Amarnath  
Hey in that in that first second ladder red travel, can you provide me the actual of this or something like that?

0:22:33.600 --> 0:22:35.660  
Sricharan Amarnath  
How do you ask the questions?

0:22:35.670 --> 0:22:38.790  
Sricharan Amarnath  
We tried it but it is not extracting in that way.

0:22:39.500 --> 0:22:39.780  
Rinisha M  
OK.

0:22:39.360 --> 0:22:40.470  
Sricharan Amarnath  
OK no.

0:22:42.530 --> 0:22:42.810  
Sricharan Amarnath  
Huh.

0:22:39.510 --> 0:22:43.530  
Eswar Poluri  
Yeah, if it is merged cells, it it, it is like complex, yeah.

0:22:43.640 --> 0:22:50.870  
Sricharan Amarnath  
So for for example like specified flanged here everywhere it is same specified selected specified selected.

0:22:51.170 --> 0:22:54.590  
Sricharan Amarnath  
Now I need to tell in outlet connection selected.

0:22:54.980 --> 0:22:56.950  
Sricharan Amarnath  
What is this 150?

0:22:57.60 --> 0:22:59.450  
Sricharan Amarnath  
How do you tell her I need to extract this?

0:22:59.520 --> 0:23:4.190  
Sricharan Amarnath  
Or like you know, plan or you need to extract all these things and tag it to outlet connection.

0:23:4.500 --> 0:23:7.410  
Sricharan Amarnath  
Then only I can you know how to structure them.

0:23:7.740 --> 0:23:13.190  
Sricharan Amarnath  
There is the big question again, and if you say let's I'm saying simple fields are there.

0:23:13.260 --> 0:23:13.990  
Sricharan Amarnath  
So like you know this.

0:23:14.460 --> 0:23:14.630  
Sricharan Amarnath  
Yeah.

0:23:14.810 --> 0:23:18.540  
Sricharan Amarnath  
End user Santos I we can extract using using Gen AI.

0:23:19.250 --> 0:23:29.120  
Sricharan Amarnath  
Uh, document VK whatever right out of the box model also can extract this type of information, item number, tag number because it's like next sitting next to that line.

0:23:29.880 --> 0:23:30.80  
Rinisha M  
OK.

0:23:29.490 --> 0:23:30.920  
Sricharan Amarnath  
OK, it can extract.

0:23:31.130 --> 0:23:36.140  
Sricharan Amarnath  
But complexity arises when, like, you know, temperature in temperature section.

0:23:36.490 --> 0:23:38.260  
Sricharan Amarnath  
Provide me the design value, OK?

0:23:39.30 --> 0:23:40.580  
Sricharan Amarnath  
Design minimum and design Max.

0:23:41.30 --> 0:23:50.890  
Sricharan Amarnath  
So even here also this is simple pressure tell me built up in that this value or something, how do you extract that?

0:23:51.80 --> 0:23:52.820  
Sricharan Amarnath  
So those are the critical things, but.

0:23:57.930 --> 0:23:58.210  
Sricharan Amarnath  
Uh.

0:23:54.490 --> 0:24:0.660  
Rinisha M  
It looks like it's not a plane OCR or we cannot go with templates.

0:24:1.840 --> 0:24:1.980  
Sricharan Amarnath  
Yeah.

0:24:0.670 --> 0:24:3.240  
Rinisha M  
Also some fixed templates also.

0:24:5.910 --> 0:24:6.130  
Sricharan Amarnath  
Umm.

0:24:3.250 --> 0:24:12.200  
Rinisha M  
So there has to be some intelligence to do it like we do, like manually how we just, you know, come up with these numbers, right.

0:24:12.350 --> 0:24:15.100  
Rinisha M  
So there has to be proper intelligence to do that.

0:24:12.580 --> 0:25:7.370  
Sricharan Amarnath  
But it exactly so that is some thought process we need to see like you know I know still people are struggling with it, see that could be hybrid approach you you can do let's say hey for key value pairs I can extract OK then what I need to do is there could be a a a table detection and see how the table looks like and all then post that once I identify the table structure then based on that maybe I can extract some information and then on top of that I can add this VQA or some kind of a a hybrid situation we wanted to see explode OK that is something but we can do some RND whether that possible route is there what are the different possible possible methodologies that is there for this type of document.

0:25:8.610 --> 0:25:13.0  
Sricharan Amarnath  
OK, so one use case, all the industries are struggling is this type of documents.

0:25:13.640 --> 0:25:14.0  
Rinisha M  
Turn.

0:25:13.50 --> 0:25:15.900  
Sricharan Amarnath  
OK, it doesn't matter which business use case.

0:25:16.390 --> 0:25:27.210  
Sricharan Amarnath  
OK, so the document is totally unstructured, so even though it is semi structured but still getting the values is not like a simple key value pair.

0:25:27.500 --> 0:25:27.900  
Sricharan Amarnath  
OK.

0:25:27.910 --> 0:25:32.520  
Sricharan Amarnath  
It's kind of, you know, the values are sitting somewhere else in the third column or 4th column.

0:25:32.700 --> 0:25:37.760  
Sricharan Amarnath  
Sometimes the column itself is, so how do you tend to extract that type of?

0:25:37.860 --> 0:25:39.580  
Sricharan Amarnath  
How do you how do you add that context?

0:25:39.680 --> 0:25:46.270  
Sricharan Amarnath  
Your visual brain is creating a context, but how do you in general will create a context towards that key, right?

0:25:46.280 --> 0:25:47.480  
Sricharan Amarnath  
So that is something.

0:25:49.340 --> 0:25:49.970  
Sricharan Amarnath  
Still the same.

0:25:49.700 --> 0:25:50.70  
Rinisha M  
Playing.

0:25:49.110 --> 0:25:51.920  
Eswar Poluri  
Yeah, even even using the Excel, right?

0:25:51.990 --> 0:25:56.580  
Eswar Poluri  
Like uh, these structure like merged cells and which is there in Excel format.

0:25:56.590 --> 0:26:0.540  
Eswar Poluri  
I tried to like train with the genier.

0:26:0.550 --> 0:26:4.240  
Eswar Poluri  
Even then, the performance it was not OK.

0:26:6.280 --> 0:26:6.870  
Sricharan Amarnath  
Umm.

0:26:4.330 --> 0:26:20.900  
Eswar Poluri  
I have tried once before, so even if it is not PDF, even if it has excel and even converting to JSON format or feeding it directly, multiple approaches that right but still the answers which it cannot able to understand the pattern.

0:26:21.310 --> 0:26:23.690  
Eswar Poluri  
So that's where the difficulty here it is coming up.

0:26:26.490 --> 0:26:28.390  
Sricharan Amarnath  
Yeah, yeah, true.

0:26:28.450 --> 0:26:32.740  
Sricharan Amarnath  
So Jenny out of the box models cannot solve this type of problems.

0:26:32.750 --> 0:26:37.140  
Sricharan Amarnath  
OK, so maybe a simple document can help, like a simple key value.

0:26:37.190 --> 0:26:39.250  
Sricharan Amarnath  
If it is there, then you can get it.

0:26:39.550 --> 0:26:39.960  
Sricharan Amarnath  
OK.

0:26:40.30 --> 0:26:44.380  
Sricharan Amarnath  
So the two the the key value has to be in the same line line level items.

0:26:44.690 --> 0:26:44.870  
Eswar Poluri  
Yeah.

0:26:44.390 --> 0:26:45.820  
Sricharan Amarnath  
OK, OK.

0:26:45.830 --> 0:26:48.540  
Sricharan Amarnath  
If it is like you know, because how does it works?

0:26:48.550 --> 0:27:2.610  
Sricharan Amarnath  
Is basically uh, it is forming the line level OCR right when you do PDF convert or something it checks within in the same line whether that value is there or not.

0:27:2.980 --> 0:27:12.750  
Sricharan Amarnath  
OK, if the value is next to that, then it is not able to extract that and assign it to it unless until you create specifically your own model with Gen AI and train it.

0:27:12.860 --> 0:27:18.250  
Sricharan Amarnath  
Hey for this type of things, the answer is in the same section somewhere below here are there.

0:27:20.730 --> 0:27:20.890  
Eswar Poluri  
Yeah.

0:27:18.340 --> 0:27:23.80  
Sricharan Amarnath  
You have to train it fine tune it then only it can extract those informations, otherwise it won't.

0:27:23.340 --> 0:27:29.280  
Sricharan Amarnath  
Otherwise, you know out of the box models, if it's only looks for the same level, same line, it has to be there the information.

0:27:31.230 --> 0:27:32.550  
Sricharan Amarnath  
OK so.

0:27:34.720 --> 0:27:35.630  
Sricharan Amarnath  
But here.

0:27:35.640 --> 0:27:43.220  
Sricharan Amarnath  
Yeah, I think we wanted to see other other approaches, let's say layer.

0:27:43.230 --> 0:27:47.730  
Sricharan Amarnath  
Tell MLM all this V3 or all like table related things.

0:27:47.740 --> 0:27:52.640  
Sricharan Amarnath  
But but how do we have an hybrid or some kind of small intelligence?

0:27:52.650 --> 0:27:58.720  
Sricharan Amarnath  
How do we combine it to see how this type of use cases can be solved?

0:27:58.730 --> 0:28:0.220  
Sricharan Amarnath  
This is one open problem.

0:28:0.270 --> 0:28:5.640  
Sricharan Amarnath  
OK, open problem which is there for every client. OK.

0:28:7.270 --> 0:28:9.160  
Sricharan Amarnath  
So this is one big question.

0:28:8.40 --> 0:28:11.670  
Rinisha M  
So with layout tell them it is not working as expected.

0:28:11.680 --> 0:28:12.910  
Rinisha M  
Is it there?

0:28:12.980 --> 0:28:13.700  
Rinisha M  
It is kind of.

0:28:17.700 --> 0:28:17.890  
Rinisha M  
Sure.

0:28:13.170 --> 0:28:21.480  
Sricharan Amarnath  
Uh, that also see that also if you use, right, how do you train a define a system to provide this type of information.

0:28:21.490 --> 0:28:22.120  
Sricharan Amarnath  
So how do you label?

0:28:22.130 --> 0:28:40.700  
Sricharan Amarnath  
See, we have annotated this, but we need to, uh, concretely say that, OK, if I label it and if I have for every layout for every design, if I will no kind of label it, I can extract let's say 90 above 90.

0:28:40.930 --> 0:28:41.460  
Sricharan Amarnath  
OK.

0:28:41.590 --> 0:28:47.700  
Sricharan Amarnath  
So and then I have to post that if you provide me similar type of document I can extract my cool.

0:28:48.170 --> 0:28:51.590  
Sricharan Amarnath  
So if we kind of have that type of solution also, it's fine.

0:28:53.260 --> 0:28:59.900  
Sricharan Amarnath  
OK, so let's say, but OK, NEXT and now now I'm providing a new layout.

0:29:0.660 --> 0:29:1.600  
Sricharan Amarnath  
Uh.

0:29:1.720 --> 0:29:6.70  
Sricharan Amarnath  
And you document then how fast you can bring that model line.

0:29:6.600 --> 0:29:10.450  
Sricharan Amarnath  
Along with that updated button along together with the existing model.

0:29:10.890 --> 0:29:11.250  
Sricharan Amarnath  
OK.

0:29:11.340 --> 0:29:12.510  
Sricharan Amarnath  
So then how do?

0:29:12.600 --> 0:29:17.90  
Sricharan Amarnath  
So let's say, OK, fine, you're saying OK for every time I going to retrain.

0:29:17.400 --> 0:29:21.340  
Sricharan Amarnath  
So is it like going to be a a single model or multiple model?

0:29:21.350 --> 0:29:21.900  
Sricharan Amarnath  
How does it?

0:29:21.960 --> 0:29:28.730  
Sricharan Amarnath  
How do you gonna deploy them all those sort of things will be coming because it's going to impact the cost end of the day.

0:29:28.920 --> 0:29:36.880  
Sricharan Amarnath  
So how to have both thinking through when you productionize out?

0:29:36.890 --> 0:29:39.330  
Sricharan Amarnath  
Is it going to impact if I choose layered a limp?

0:29:39.640 --> 0:29:54.550  
Sricharan Amarnath  
Then I need to have a dedicated annotation team and then maybe let's say some support team has to be there manually capturing if the model fails, who is going to validate it or they gonna connect it.

0:29:54.750 --> 0:29:56.950  
Sricharan Amarnath  
Then there's has to be captured and retrained.

0:29:56.960 --> 0:29:57.130  
Sricharan Amarnath  
Maybe.

0:29:58.150 --> 0:30:0.740  
Sricharan Amarnath  
Uh, all those, all those also needs to be thought through.

0:30:1.890 --> 0:30:6.120  
Sricharan Amarnath  
OK, so is which we cannot.

0:30:6.530 --> 0:30:34.450  
Sricharan Amarnath  
We cannot see a solution, only just to solve the problem, but we need to solve the entire whole business problem along together with the cost and everything we need to see how that functions in the production cycle, so that is also we need to see OK this if I take a layered LLM how is going to be be there the whole pipeline in the enterprise level and then the same goes to anything that you pick.

0:30:34.660 --> 0:30:36.970  
Sricharan Amarnath  
OK, open source or cloud.

0:30:37.240 --> 0:30:38.550  
Sricharan Amarnath  
How does it going to be there?

0:30:38.620 --> 0:30:45.490  
Sricharan Amarnath  
What would be the cost where the people will be involved if I, you know, gain kind of an deployed them.

0:30:45.720 --> 0:30:46.150  
Sricharan Amarnath  
OK.

0:30:46.680 --> 0:30:54.530  
Sricharan Amarnath  
So that is also a a question that that is going to come up in this next phase when you say, hey, I I have a solution now what is next.

0:30:56.630 --> 0:30:57.30  
Rinisha M  
You want.

0:30:54.780 --> 0:30:57.970  
Sricharan Amarnath  
So then how do I have the team?

0:30:58.150 --> 0:31:0.30  
Sricharan Amarnath  
How do you propose that like that?

0:31:0.40 --> 0:31:0.780  
Sricharan Amarnath  
Only they're gonna ask.

0:31:2.160 --> 0:31:5.810  
Sricharan Amarnath  
But if it is like you know, doable, then we can we can propose them.

0:31:5.820 --> 0:31:15.140  
Sricharan Amarnath  
Hey I need this three guys for dedicatedly for this who can capture them and you don't need a A data scientist to afford.

0:31:15.440 --> 0:31:16.530  
Sricharan Amarnath  
OK, fine. That's fine.

0:31:16.640 --> 0:31:30.990  
Sricharan Amarnath  
And they just label on it as they will just label whenever it it is missing and then it is auto retrain sent by itself and then your model will still extract information and there will be a dedicated you know support Guy who verifies and validates.

0:31:31.100 --> 0:31:33.500  
Sricharan Amarnath  
That's so you're for that, you know?

0:31:33.510 --> 0:31:34.920  
Sricharan Amarnath  
So support hypercare.

0:31:35.210 --> 0:31:36.460  
Sricharan Amarnath  
You will have some bunch of.

0:31:36.470 --> 0:31:37.410  
Sricharan Amarnath  
OK, fine. Cool.

0:31:38.220 --> 0:31:39.30  
Sricharan Amarnath  
That is also fine.

0:31:39.460 --> 0:31:39.950  
Sricharan Amarnath  
OK.

0:31:40.300 --> 0:31:44.620  
Sricharan Amarnath  
But no, no, I need to have a dedicated data scientist. It.

0:31:45.230 --> 0:31:48.500  
Sricharan Amarnath  
Hey, budget and all this data engineer has to be there.

0:31:49.10 --> 0:31:50.560  
Sricharan Amarnath  
So did for all through. What?

0:31:50.570 --> 0:31:50.810  
Sricharan Amarnath  
What?

0:31:50.820 --> 0:31:51.790  
Sricharan Amarnath  
How long you gonna have?

0:31:52.770 --> 0:32:1.660  
Sricharan Amarnath  
So are you saying if I have for six months once I3, I see everything has been automated then?

0:32:1.860 --> 0:32:6.620  
Sricharan Amarnath  
So what are the different strategies and different you know, phases that you're gonna have?

0:32:7.30 --> 0:32:7.460  
Sricharan Amarnath  
OK.

0:32:7.950 --> 0:32:19.200  
Sricharan Amarnath  
So are you going to say, like, you know, hey, post six months, he will sign off, then after that, if new layered layered comes or something comes, who's going to help them?

0:32:20.530 --> 0:32:20.730  
Sricharan Amarnath  
OK.

0:32:21.970 --> 0:32:24.620  
Sricharan Amarnath  
If it is generic then OK, doesn't matter.

0:32:24.630 --> 0:32:29.250  
Sricharan Amarnath  
We can know, sign off and then people can support itself.

0:32:29.260 --> 0:32:37.960  
Sricharan Amarnath  
We can help you for the bug fix or whatever, but so that is also we need to think through on the solution aspect of our.

0:32:41.300 --> 0:32:41.700  
Rinisha M  
OK.

0:32:37.970 --> 0:32:42.150  
Sricharan Amarnath  
So how are we going to productionize level and how we're gonna handle it?

0:32:42.560 --> 0:32:47.270  
Sricharan Amarnath  
OK, but this is 11 problem statement like this many are there.

0:32:47.440 --> 0:32:50.430  
Sricharan Amarnath  
OK, so this is one big question.

0:32:50.440 --> 0:32:58.190  
Sricharan Amarnath  
Open statement and then now people are also for small, even small documents for handwritten text.

0:32:58.540 --> 0:33:0.490  
Sricharan Amarnath  
How do you expect details of?

0:33:0.500 --> 0:33:1.910  
Sricharan Amarnath  
It is also pushed in.

0:33:2.260 --> 0:33:3.660  
Sricharan Amarnath  
OK, so let's see.

0:33:6.290 --> 0:33:16.260  
Sricharan Amarnath  
How we can you know at least umm out of the box models which we can leverage for handwriting and and written text in a simple documents like this.

0:33:16.390 --> 0:33:22.250  
Sricharan Amarnath  
Let's say if I have a text here filled up in the same line with underline, uh.

0:33:22.260 --> 0:33:24.660  
Sricharan Amarnath  
A simple forms which is having a text.

0:33:26.640 --> 0:33:32.720  
Sricharan Amarnath  
Let's say in here instead of this, let's say if a text is there can I extract that information?

0:33:32.890 --> 0:33:33.130  
Sricharan Amarnath  
OK.

0:33:33.820 --> 0:33:35.770  
Sricharan Amarnath  
Yeah, particularly first English.

0:33:35.780 --> 0:33:36.300  
Sricharan Amarnath  
Will see.

0:33:36.450 --> 0:33:37.880  
Sricharan Amarnath  
Then we'll check it for German.

0:33:37.890 --> 0:33:44.810  
Sricharan Amarnath  
OK, so how do we expect, you know, form it's unwritten text, let's say thing.

0:33:44.820 --> 0:33:55.800  
Sricharan Amarnath  
This is as a, you know, memo or uh I I check details or something, how we can extract the information so out of the box we'll just explore and see which is possible.

0:33:56.230 --> 0:33:59.940  
Sricharan Amarnath  
If it is a open source code which is running, that is also fine.

0:33:59.950 --> 0:34:8.760  
Sricharan Amarnath  
We'll quickly, you know, set it up and try to run it and see OK, for few documents, whatever we have, if it is running, that is fine for now.

0:34:8.940 --> 0:34:9.840  
Sricharan Amarnath  
OK, so.

0:34:9.840 --> 0:34:13.150  
Rinisha M  
Do do you have any uh sample documents for the handwritten?

0:34:13.160 --> 0:34:15.970  
Rinisha M  
So what I understand is these two are two different tasks, right?

0:34:15.980 --> 0:34:18.330  
Rinisha M  
One is 110 and the other one is.

0:34:18.340 --> 0:34:21.450  
Rinisha M  
With this lot of templates correct?

0:34:20.600 --> 0:34:22.820  
Sricharan Amarnath  
And this template see the templates templates.

0:34:23.740 --> 0:34:25.940  
Sricharan Amarnath  
It's a kind of.

0:34:31.720 --> 0:34:31.860  
Rinisha M  
Yeah.

0:34:28.40 --> 0:34:39.700  
Sricharan Amarnath  
Ongoing project OK would be H the the the unwritten is kind of exploration come you know people POC P not exploration.

0:34:39.710 --> 0:34:49.10  
Sricharan Amarnath  
We need to do some POC on that by looking at we wanted to have some some kind of a solution OK for this this one is like.

0:34:50.730 --> 0:34:52.520  
Sricharan Amarnath  
Been they've been doing for three years.

0:34:52.530 --> 0:34:52.930  
Sricharan Amarnath  
Uh.

0:34:52.940 --> 0:34:57.320  
Sricharan Amarnath  
Something like that on this, particularly with the H they did template.

0:34:58.10 --> 0:35:2.80  
Sricharan Amarnath  
They did rule based and they did, you know, even they tried.

0:35:2.90 --> 0:35:11.780  
Sricharan Amarnath  
I think form recognizer also all those things and they tried even they they used a A WS recognition engine also like another service also.

0:35:12.370 --> 0:35:24.50  
Sricharan Amarnath  
That is what currently they are having for, because that question answering model is doing good, at least for the let's say 5 fields or 6 fields that they wanted to extract.

0:35:24.120 --> 0:35:28.290  
Sricharan Amarnath  
OK, it it's been able to extract that information, but still OK with that.

0:35:28.380 --> 0:35:33.770  
Sricharan Amarnath  
They're trying to have some solution and that is that is somehow they're having it.

0:35:33.980 --> 0:35:35.250  
Sricharan Amarnath  
This could be less.

0:35:35.720 --> 0:35:38.290  
Sricharan Amarnath  
This could be our long, long goal.

0:35:38.340 --> 0:35:47.810  
Sricharan Amarnath  
Long term goal like you know if we have some kind of a solution towards this direction irrespective of any document that is also it's a capability for us.

0:35:48.160 --> 0:35:52.110  
Sricharan Amarnath  
OK, so our research should be creating a capability towards like.

0:35:52.120 --> 0:36:6.300  
Sricharan Amarnath  
This would be open item, but the other one one is like you know the unwritten is kind of critical for us to do some quick POC's and showcase 2 client basically the because we wanted to showcase this.

0:36:3.210 --> 0:36:8.290  
Rinisha M  
OK so ohh have you tried padlocks here?

0:36:9.610 --> 0:36:13.170  
Sricharan Amarnath  
Umm, I think parallels here is also.

0:36:16.190 --> 0:36:16.460  
Venkata Ravi Rajkumar Sonti  
Uh.

0:36:13.180 --> 0:36:16.700  
Sricharan Amarnath  
If you see you any public data set, if it is there, right?

0:36:16.470 --> 0:36:20.90  
Venkata Ravi Rajkumar Sonti  
With the BH too, is it with BH actually or an issue?

0:36:19.630 --> 0:36:21.450  
Sricharan Amarnath  
Uh, no, no, no.

0:36:21.570 --> 0:36:21.930  
Venkata Ravi Rajkumar Sonti  
Are you?

0:36:21.370 --> 0:36:22.370  
Rinisha M  
You know, with the handwritten.

0:36:21.560 --> 0:36:23.400  
Sricharan Amarnath  
For Cadillac years handwritten.

0:36:24.440 --> 0:36:25.430  
Venkata Ravi Rajkumar Sonti  
Uh, not that is.

0:36:25.440 --> 0:36:26.290  
Venkata Ravi Rajkumar Sonti  
No, no, no, I'm not.

0:36:25.610 --> 0:36:32.20  
Sricharan Amarnath  
I I explored rinisha, but honestly I don't know whether for the for this any sort of use case.

0:36:32.940 --> 0:36:35.70  
Sricharan Amarnath  
Uh, for this ask.

0:36:35.120 --> 0:36:40.10  
Sricharan Amarnath  
I don't know whether it's done or not, because over worked nobody's there right now.

0:36:40.90 --> 0:36:49.270  
Sricharan Amarnath  
OK, even to get the existing SU repository, we need to connect with that empty folks and then get that repository and we need to see what they have done.

0:36:49.600 --> 0:36:54.200  
Sricharan Amarnath  
So we were explored and there is no documentation, nothing is there.

0:36:54.680 --> 0:36:56.930  
Sricharan Amarnath  
So maybe we can start fresh also.

0:36:57.20 --> 0:37:2.80  
Sricharan Amarnath  
Like, you know, whatever it is you think, which is good, uh, we can pick it up, OK.

0:37:2.190 --> 0:37:9.910  
Rinisha M  
OK, So what I think is if we have or if we can, if we have some documents, uh, and then it's good.

0:37:9.730 --> 0:37:10.430  
Sricharan Amarnath  
Not see.

0:37:9.920 --> 0:37:11.820  
Rinisha M  
Otherwise, we'll have to collect it from Internet.

0:37:11.640 --> 0:37:11.870  
Sricharan Amarnath  
No.

0:37:11.880 --> 0:37:12.140  
Sricharan Amarnath  
Years.

0:37:12.150 --> 0:37:12.470  
Sricharan Amarnath  
No, no.

0:37:12.480 --> 0:37:13.430  
Sricharan Amarnath  
See, let's let me see.

0:37:13.480 --> 0:37:15.730  
Sricharan Amarnath  
Let let the other way.

0:37:15.820 --> 0:37:20.350  
Sricharan Amarnath  
So even from Kaggle, let's fix any document, OK.

0:37:21.180 --> 0:37:21.400  
Rinisha M  
Umm.

0:37:21.560 --> 0:37:26.110  
Sricharan Amarnath  
Whatever and written document even parallels here as having some sample documents which is trained on it.

0:37:26.860 --> 0:37:37.980  
Sricharan Amarnath  
Let's say you we can check uh, you know bank forms or, you know, any forms with a, you know, handwritten text in it.

0:37:38.550 --> 0:38:4.170  
Sricharan Amarnath  
And then they how do we extract text from there capability and then we can project it and then one sample for like you know one code pipeline for like you know to check whether it is there a tick in the checkbox or not or radio button or kind of not radio button tick box or simple forms they then they feel they have to take another things that they do right.

0:38:4.260 --> 0:38:7.370  
Sricharan Amarnath  
So whether we can detect that option is selected or not?

0:38:7.380 --> 0:38:7.970  
Sricharan Amarnath  
How do you do?

0:38:8.300 --> 0:38:8.710  
Sricharan Amarnath  
OK.

0:38:8.940 --> 0:38:11.90  
Sricharan Amarnath  
So that is also maybe through open CV.

0:38:11.100 --> 0:38:19.500  
Sricharan Amarnath  
Some folks might have done it, but let's see how current techniques can also extract that type of information from the normal fonts.

0:38:20.500 --> 0:38:20.820  
Rinisha M  
OK.

0:38:20.610 --> 0:38:28.520  
Sricharan Amarnath  
So because even for three years back data repository also if we get that right it's it's if you ask it's going to be obsolete.

0:38:28.570 --> 0:38:29.0  
Sricharan Amarnath  
OK.

0:38:29.70 --> 0:38:43.740  
Sricharan Amarnath  
So we don't know whether we we don't need to look at the older code also we just need to save some pipeline which is there mobile even if it is with existing you know data or whatever data it is there in Kaggle also is fine.

0:38:45.640 --> 0:38:46.80  
Rinisha M  
OK so.

0:38:45.240 --> 0:38:47.240  
Sricharan Amarnath  
So just need to tell like you know, yeah.

0:38:47.900 --> 0:38:48.310  
Rinisha M  
Yeah.

0:38:48.320 --> 0:38:53.50  
Rinisha M  
What what I think is maybe we can have uh so paddle OCR and that's your one.

0:38:56.80 --> 0:38:56.400  
Sricharan Amarnath  
Umm.

0:38:53.60 --> 0:39:2.990  
Rinisha M  
And if there are any other tesseract, so all these OCS, right, we can have around you know, 10 to 15 documents and then do a comparative study.

0:39:3.710 --> 0:39:3.910  
Sricharan Amarnath  
Yeah.

0:39:3.340 --> 0:39:8.150  
Rinisha M  
So we will test all these documents with all of these OCR and come up with the score.

0:39:8.640 --> 0:39:9.490  
Rinisha M  
How accurate?

0:39:8.700 --> 0:39:10.530  
Sricharan Amarnath  
Yeah, exactly.

0:39:9.500 --> 0:39:12.580  
Rinisha M  
And finally we can summarize, which would be better.

0:39:13.720 --> 0:39:14.230  
Sricharan Amarnath  
Yeah.

0:39:13.810 --> 0:39:14.590  
Rinisha M  
Is that OK?

0:39:14.280 --> 0:39:16.90  
Sricharan Amarnath  
So yeah, yeah, fine.

0:39:16.220 --> 0:39:17.710  
Sricharan Amarnath  
So there is 111.

0:39:17.720 --> 0:39:21.370  
Sricharan Amarnath  
Also, is there like tensor flow and return or something like that?

0:39:21.380 --> 0:39:23.870  
Sricharan Amarnath  
Once again, let me say it is called.

0:39:29.290 --> 0:39:33.910  
Sricharan Amarnath  
I think deep learning based tenant tensor flow is having one handwritten thing.

0:39:34.920 --> 0:39:37.160  
Sricharan Amarnath  
OK, let me tell you which one is it.

0:39:42.450 --> 0:39:46.240  
Sricharan Amarnath  
See these loss, that is this.

0:39:46.770 --> 0:39:48.690  
Sricharan Amarnath  
I think it's based on CNN really.

0:39:52.910 --> 0:39:56.510  
Sricharan Amarnath  
I I there's a I am data set is there OK.

0:39:58.40 --> 0:39:58.280  
Rinisha M  
OK.

0:39:58.440 --> 0:40:1.750  
Sricharan Amarnath  
I I data set which is famous for unwritten.

0:40:2.730 --> 0:40:5.760  
Sricharan Amarnath  
OK, you can kind of use that.

0:40:7.420 --> 0:40:8.110  
Sricharan Amarnath  
We tested.

0:40:8.160 --> 0:40:9.850  
Sricharan Amarnath  
Let me post it somewhere.

0:40:11.680 --> 0:40:12.240  
Sricharan Amarnath  
Steams.

0:40:15.0 --> 0:40:16.590  
Sricharan Amarnath  
Designing in the teams in the midst of.

0:40:36.560 --> 0:40:40.400  
Sricharan Amarnath  
So, uh, see, whatever.

0:40:40.470 --> 0:40:48.250  
Sricharan Amarnath  
Whatever is how there in Decap right, it is based on Azure form recognizer OK.

0:40:50.50 --> 0:40:55.440  
Sricharan Amarnath  
Back end is all all Azure form recognizer and then they kind of tested with the layer.

0:40:55.450 --> 0:40:56.140  
Sricharan Amarnath  
Tellem also.

0:40:56.470 --> 0:40:56.860  
Sricharan Amarnath  
OK.

0:40:57.370 --> 0:41:7.180  
Sricharan Amarnath  
Same story like in Halcon, they kind of you know, created a solution dedicated for some external clients and they kind of you know deploy them and create a pipeline there and then put it.

0:41:8.610 --> 0:41:14.130  
Sricharan Amarnath  
But what we need to do is, uh, reusable components for our, you know.

0:41:14.590 --> 0:41:16.50  
Sricharan Amarnath  
Ohh product.

0:41:16.60 --> 0:41:17.160  
Sricharan Amarnath  
Basically right.

0:41:17.960 --> 0:41:23.600  
Sricharan Amarnath  
Uh, we wanted to see how we can have this.

0:41:25.450 --> 0:41:40.350  
Sricharan Amarnath  
Capabilities, maybe looking at the current, you know decap stage, if it is not there then we wanted to bring in that capabilities basically in the documentary side, right.

0:41:40.560 --> 0:41:42.990  
Sricharan Amarnath  
So we wanted to see.

0:41:46.440 --> 0:41:57.280  
Sricharan Amarnath  
With public dataset or with BH dataset, whatever data set we have, we can at least you know, explore and see uh, with the current trends.

0:41:57.290 --> 0:41:57.640  
Sricharan Amarnath  
What?

0:41:57.690 --> 0:41:59.30  
Sricharan Amarnath  
What is that we can solve?

0:41:59.920 --> 0:42:4.830  
Sricharan Amarnath  
OK, at least let's say we can create a matrix with this.

0:42:6.260 --> 0:42:6.650  
Sricharan Amarnath  
Uh.

0:42:6.660 --> 0:42:15.590  
Sricharan Amarnath  
With this and with this method and and with this, uh, you know business problem we can enable to extract the documents from here so.

0:42:17.650 --> 0:42:30.740  
Sricharan Amarnath  
There are a lot, a lot of other things which is straightforward documents or I mean voice and all we can extract, and we can claim like you know 90% above 80% we can achieve and all like so we just wanted to form some metrics into the day.

0:42:31.50 --> 0:42:37.470  
Sricharan Amarnath  
So to see what type of level of probabilities we have to extract from the document a side of it.

0:42:37.800 --> 0:42:41.70  
Sricharan Amarnath  
So we just wanted a benchmark that eventually, right.

0:42:41.80 --> 0:42:53.920  
Sricharan Amarnath  
So because some of the decap is already solving or create a custom pipeline for each client and all but uh, we wanted to, uh, kind of have that.

0:42:56.890 --> 0:43:2.600  
Sricharan Amarnath  
New capabilities in Decap basically because it's all with older technology.

0:43:2.610 --> 0:43:3.540  
Sricharan Amarnath  
It is there still.

0:43:3.550 --> 0:43:16.110  
Sricharan Amarnath  
We cannot tell the whole story because the product owners are not there and you know which we are driving it now and we wanted to completely look put a new roadmap and new.

0:43:16.120 --> 0:43:19.780  
Sricharan Amarnath  
So look at ourself and see how we can improve.

0:43:20.640 --> 0:43:23.410  
Sricharan Amarnath  
Uh, the decap with a new functionalities capabilities.

0:43:23.500 --> 0:43:26.40  
Sricharan Amarnath  
By doing some research, quality research on this.

0:43:29.370 --> 0:43:29.650  
Rinisha M  
OK.

0:43:32.500 --> 0:43:34.960  
Sricharan Amarnath  
And I'm sharing that link OK.

0:43:38.460 --> 0:43:39.230  
Sricharan Amarnath  
Teams channel.

0:43:42.620 --> 0:43:43.470  
Sricharan Amarnath  
So let's see.

0:43:43.520 --> 0:43:44.940  
Sricharan Amarnath  
So I think, uh.

0:43:47.230 --> 0:43:51.790  
Sricharan Amarnath  
Tesseract, my OK, and that is also fine.

0:43:51.800 --> 0:43:56.520  
Sricharan Amarnath  
But in general, I think, uh, you get.

0:43:55.580 --> 0:44:0.50  
Rinisha M  
So in my past experience, uh, we had a combat that that's right with paddles here.

0:44:1.80 --> 0:44:2.100  
Sricharan Amarnath  
Yeah, better.

0:44:6.460 --> 0:44:7.500  
Sricharan Amarnath  
Yeah, yeah, yeah.

0:44:0.60 --> 0:44:9.230  
Rinisha M  
The open source only we try where the test drive was the worst comparing to Delucia but with the handwritten we have to try that.

0:44:9.980 --> 0:44:11.120  
Sricharan Amarnath  
Yeah, correct.

0:44:11.110 --> 0:44:12.840  
Rinisha M  
So how's the team aligned to this?

0:44:12.890 --> 0:44:14.150  
Rinisha M  
Uh, so all of us would be.

0:44:16.90 --> 0:44:17.200  
Rinisha M  
Contributing discerns.

0:44:15.650 --> 0:44:22.140  
Sricharan Amarnath  
Uh, so yeah, like, yeah, I think, you know, you know, one can take the.

0:44:22.470 --> 0:44:23.790  
Sricharan Amarnath  
No, I think you know.

0:44:24.610 --> 0:44:25.440  
Sricharan Amarnath  
No, no, no, no.

0:44:25.930 --> 0:44:28.60  
Sricharan Amarnath  
This what is that?

0:44:28.320 --> 0:44:31.120  
Sricharan Amarnath  
Bank, bank form type kind of thing.

0:44:31.130 --> 0:44:33.770  
Sricharan Amarnath  
Another another like maybe you should can explore.

0:44:34.470 --> 0:44:39.40  
Sricharan Amarnath  
Uh, the form based or whatever other document, right?

0:44:39.130 --> 0:44:46.30  
Sricharan Amarnath  
And then a Akash already in exploring that we gave based thing also right.

0:44:46.330 --> 0:44:48.280  
Sricharan Amarnath  
So let's progress on that also.

0:44:48.550 --> 0:45:1.600  
Sricharan Amarnath  
OK, so parallelly we can, you know have that capability also because we gave model, we wanted to see for in generic out of this two POC's but in generic you know how we can form that capability also is a key thing.

0:45:2.170 --> 0:45:3.150  
Sricharan Amarnath  
So let's see.

0:45:4.160 --> 0:45:10.840  
Sricharan Amarnath  
So like as you remember, I was so giving you the task along with you and rajavarun and Mahmood.

0:45:10.850 --> 0:45:12.770  
Sricharan Amarnath  
I remember right, so yeah.

0:45:15.90 --> 0:45:15.420  
Sricharan Amarnath  
Yeah.

0:45:11.460 --> 0:45:15.480  
Akash Ambadas Salmuthe  
Yeah, I guess we tried on the like hugging face some models like.

0:45:15.750 --> 0:45:16.50  
Sricharan Amarnath  
No.

0:45:16.390 --> 0:45:17.560  
Sricharan Amarnath  
So can we.

0:45:29.60 --> 0:45:29.270  
Akash Ambadas Salmuthe  
Umm.

0:45:17.630 --> 0:45:32.400  
Sricharan Amarnath  
Can we have some kind of a documentations like you know till now what we explored and where we are such that if you have done some experiments comparing the comparison table in the document we can put it.

0:45:36.990 --> 0:45:37.410  
Akash Ambadas Salmuthe  
OK, OK.

0:45:33.110 --> 0:45:37.780  
Sricharan Amarnath  
I can help you formulate the documents OK in a in a in a way.

0:45:37.830 --> 0:45:47.310  
Sricharan Amarnath  
OK, so that at least you have one documentations and then post that you can create on your own for the other explorations that you do right.

0:45:47.640 --> 0:45:49.270  
Sricharan Amarnath  
So that is kind of Anil everyone.

0:45:49.280 --> 0:46:7.600  
Sricharan Amarnath  
It'll be useful for us to follow that same no process, so then you can check with the team to see and which aspect of it that currently we can do.

0:46:7.670 --> 0:46:14.730  
Sricharan Amarnath  
You know, also you can discuss with the emergency also now now you have help right that time.

0:46:14.810 --> 0:46:15.30  
Akash Ambadas Salmuthe  
Umm.

0:46:14.740 --> 0:46:29.220  
Sricharan Amarnath  
I think Mahmood was into some projects and it was not fully engaged, but you were exploring and all those things and also Rajan and also exploring differently Rajan and also now uh working in the UMG project right now.

0:46:29.940 --> 0:46:30.230  
Akash Ambadas Salmuthe  
Umm.

0:46:29.720 --> 0:46:33.540  
Sricharan Amarnath  
So with let's see what you have done and what other.

0:46:33.770 --> 0:46:40.20  
Sricharan Amarnath  
If you have there some folks also done in, just capture it and then put it and then we with yours and see compare against it.

0:46:40.30 --> 0:46:46.10  
Sricharan Amarnath  
What is there and how with respect to this business statement, right?

0:46:46.910 --> 0:46:50.310  
Sricharan Amarnath  
How do we, a kind of create a solution?

0:46:50.320 --> 0:46:51.830  
Sricharan Amarnath  
Generic solution, OK?

0:46:51.980 --> 0:46:53.150  
Sricharan Amarnath  
Or is it a hybrid model?

0:46:53.160 --> 0:46:57.620  
Sricharan Amarnath  
We wanted to do mix and match like you know how there's going to be.

0:46:58.460 --> 0:47:0.380  
Sricharan Amarnath  
There is like a general capability, right?

0:47:3.240 --> 0:47:3.500  
Akash Ambadas Salmuthe  
Umm.

0:47:0.390 --> 0:47:5.270  
Sricharan Amarnath  
So for general document any document it would be how?

0:47:5.280 --> 0:47:14.670  
Sricharan Amarnath  
What are the models available and techniques available both in closed source and open source and see which one we can offload?

0:47:14.840 --> 0:47:17.300  
Sricharan Amarnath  
Similarly, the we need to create some metrics for that also.

0:47:19.60 --> 0:47:19.370  
Akash Ambadas Salmuthe  
Umm.

0:47:19.910 --> 0:47:21.980  
Sricharan Amarnath  
The three task I think maybe uh rinisha.

0:47:21.990 --> 0:47:30.650  
Sricharan Amarnath  
So we wanted to see like another day, this one here, like, you know, uh Dang forms and then later.

0:47:33.160 --> 0:47:39.200  
Sricharan Amarnath  
Bang Bang document and the other one is like, you know normal document for you know.

0:47:40.360 --> 0:47:41.490  
Sricharan Amarnath  
Yeah, but the voting mechanism?

0:47:42.770 --> 0:47:48.540  
Sricharan Amarnath  
Uh, But the board members sorting mechanism document two documents are there.

0:47:48.550 --> 0:47:52.310  
Sricharan Amarnath  
We wanted to show showcase basically so.

0:47:57.560 --> 0:47:58.310  
Rinisha M  
OK.

0:47:58.390 --> 0:47:58.830  
Rinisha M  
Yeah.

0:48:1.50 --> 0:48:2.70  
Sricharan Amarnath  
Yeah, yeah.

0:47:58.840 --> 0:48:3.670  
Rinisha M  
So we will discuss internally and then they will try to target that, yeah.

0:48:4.240 --> 0:48:4.540  
Sricharan Amarnath  
Yeah.

0:48:6.340 --> 0:48:11.950  
Sricharan Amarnath  
So Eshwar can take one and you can take one so bank or which one so then.

0:48:31.150 --> 0:48:32.510  
Sricharan Amarnath  
Yeah, that's.

0:48:10.200 --> 0:48:33.30  
Rinisha M  
OK, so I was thinking, uh, should we go ahead with the document wise or should we go ahead with the you know service wise, so maybe we'll we all have a one type of documents around 10 documents and then I will you know work on two I will be testing all those documents with two services and eshwar can test with.

0:48:34.860 --> 0:48:35.790  
Sricharan Amarnath  
That is also fine.

0:48:36.40 --> 0:48:36.480  
Sricharan Amarnath  
OK.

0:48:36.850 --> 0:48:37.170  
Rinisha M  
OK.

0:48:36.560 --> 0:48:39.270  
Sricharan Amarnath  
So that's services metrics.

0:48:39.280 --> 0:48:41.470  
Sricharan Amarnath  
If you create that is also fine.

0:48:41.620 --> 0:48:48.0  
Sricharan Amarnath  
Then by that, you know, we'll know at least which one to use later for different business use case, right?

0:48:48.360 --> 0:49:6.580  
Sricharan Amarnath  
So whether we can completely strike of test bag which is no use compared to other ones or like you know maybe paddle lost here is more specific for or band returns and by doing that service based then we'll at least know which one to use basically.

0:49:7.730 --> 0:49:8.0  
Rinisha M  
OK.

0:49:8.910 --> 0:49:15.300  
Sricharan Amarnath  
But Google OCR is pretty decent and pretty good down and returns also.

0:49:16.450 --> 0:49:16.680  
Rinisha M  
Umm.

0:49:17.670 --> 0:49:18.530  
Sricharan Amarnath  
But there is another cost.

0:49:18.540 --> 0:49:19.100  
Sricharan Amarnath  
That's fine.

0:49:19.140 --> 0:49:19.680  
Sricharan Amarnath  
See cost.

0:49:19.690 --> 0:49:20.280  
Sricharan Amarnath  
Also is fine.

0:49:20.730 --> 0:49:21.770  
Sricharan Amarnath  
OK so.

0:49:23.880 --> 0:49:25.260  
Sricharan Amarnath  
Cloud based also is there.

0:49:25.400 --> 0:49:41.690  
Sricharan Amarnath  
Uh, but when you compare with Azure and AWS, Google OCR is always will be good and AWS also somewhat fine nowadays because there is a big war, but always there will be one step.

0:49:41.700 --> 0:49:52.740  
Sricharan Amarnath  
Google will be one step ahead on on on different types of documents because they they are the pointers in the Google know optical Captain Agnation engines.

0:49:52.810 --> 0:50:2.960  
Sricharan Amarnath  
They only also so open source that tesseract and all, so they have that you know, research team working on dedicatedly for that for a very long time.

0:50:3.410 --> 0:50:10.610  
Sricharan Amarnath  
So if you compare against the same documents, uh, I think sometimes Google was here will add up.

0:50:10.660 --> 0:50:16.400  
Sricharan Amarnath  
So we've been hitting the every team will be benchmarking this three, eat more sleep.

0:50:18.250 --> 0:50:22.610  
Sricharan Amarnath  
Like, let's see uh for our document how it is now.

0:50:22.620 --> 0:50:23.830  
Sricharan Amarnath  
Sometimes some.

0:50:23.840 --> 0:50:26.880  
Sricharan Amarnath  
For some documents it'll be is also giving some results.

0:50:27.740 --> 0:50:34.400  
Sricharan Amarnath  
Uh, but that is something we need to be validated because the current engine, I don't know how it functions now.

0:50:36.890 --> 0:50:37.640  
Rinisha M  
OK. First, uh.

0:50:37.650 --> 0:50:43.500  
Rinisha M  
So first of all, we have to come up with the latest OCR tools that are there in the market.

0:50:44.510 --> 0:50:44.800  
Sricharan Amarnath  
Correct.

0:50:45.460 --> 0:50:45.730  
Rinisha M  
OK.

0:50:45.490 --> 0:51:0.340  
Sricharan Amarnath  
So that would be a helpful right, because that say if we know the current benchmark is cells and then at least we can we know which one is best once you once you fix the worse.

0:51:0.350 --> 0:51:3.950  
Sricharan Amarnath  
Yeah, one use case for the handwritten is fine.

0:51:4.80 --> 0:51:4.470  
Sricharan Amarnath  
OK.

0:51:5.380 --> 0:51:19.80  
Sricharan Amarnath  
And then on top of that, now how do you, you know on top of the OCR intelligence has to be there also for it's OK, OK, you extracted the text, but how do I define the key value pairs or assign extract fields informations which I need.

0:51:19.470 --> 0:51:21.460  
Sricharan Amarnath  
So what are we gonna do with, right?

0:51:22.210 --> 0:51:22.470  
Rinisha M  
OK.

0:51:21.730 --> 0:51:23.660  
Sricharan Amarnath  
So that is the next one, right?

0:51:23.670 --> 0:51:25.620  
Sricharan Amarnath  
So that also.

0:51:26.670 --> 0:51:29.640  
Sricharan Amarnath  
Uh, the studios are having, right.

0:51:29.650 --> 0:51:42.300  
Sricharan Amarnath  
So this Eric Amazon recognition engine is having and Azure form recognizer as in Google is also as having document AI something like that they are saying right.

0:51:42.310 --> 0:51:51.950  
Sricharan Amarnath  
So three people are also having related to that same month houses, but that is second of thing that we can look out for.

0:51:51.960 --> 0:51:55.310  
Sricharan Amarnath  
But pasta is going to be there now out of the box.

0:51:55.320 --> 0:51:59.900  
Sricharan Amarnath  
Like you know, open source also methodologies like also data.

0:51:59.940 --> 0:52:6.120  
Sricharan Amarnath  
So when we can create a pipeline to extract the business problems because every time.

0:52:8.100 --> 0:52:19.770  
Sricharan Amarnath  
A new business use case was going to come, so we can we know we can we know how to customize them such that it will be more accurate maybe localized for the localist data that we have.

0:52:25.600 --> 0:52:27.630  
Sricharan Amarnath  
But yeah, so the approach is fine.

0:52:27.740 --> 0:52:31.50  
Sricharan Amarnath  
Whatever approach you're gonna take it to, that's fine, OK?

0:52:36.40 --> 0:52:36.580  
Rinisha M  
OK.

0:52:36.780 --> 0:52:37.510  
Rinisha M  
Yeah, I got it.

0:52:37.520 --> 0:52:38.560  
Rinisha M  
I don't have any question.

0:52:41.130 --> 0:52:45.250  
Eswar Poluri  
Naturally, we will discuss like a the number of approaches and type of documents.

0:52:45.580 --> 0:52:45.950  
Sricharan Amarnath  
Looking.

0:52:45.370 --> 0:52:47.520  
Eswar Poluri  
Then we will end only share the the work.

0:52:47.760 --> 0:52:48.940  
Sricharan Amarnath  
Yeah. Yeah, yeah.

0:52:49.730 --> 0:52:55.940  
Sricharan Amarnath  
So then if you need any support or any any team members, we can add people against so later on.

0:52:55.950 --> 0:53:13.640  
Sricharan Amarnath  
So once you wanted to kind of, you know, once you identify the solution and the problems with them, once you have the best code then we can ask the team to kind of productionize them or not productionize them kind of, you know, solutionize them towards any any product or anything, right.

0:53:13.650 --> 0:53:17.320  
Sricharan Amarnath  
So it could be first, at least we want to talk.

0:53:17.360 --> 0:53:17.610  
Sricharan Amarnath  
Uh.

0:53:17.620 --> 0:53:20.220  
Sricharan Amarnath  
Kind of in show that basically.

0:53:21.420 --> 0:53:23.560  
Sricharan Amarnath  
Uh, that at least the capability first, but not.

0:53:30.40 --> 0:53:30.180  
Sricharan Amarnath  
Yeah.

0:53:31.600 --> 0:53:33.40  
Eswar Poluri  
Yeah. By clear.

0:53:33.260 --> 0:53:33.640  
Eswar Poluri  
Check.

0:53:34.140 --> 0:53:34.730  
Sricharan Amarnath  
Yeah.

0:53:34.880 --> 0:53:36.230  
Sricharan Amarnath  
So great.

0:53:48.190 --> 0:53:48.430  
Akash Ambadas Salmuthe  
Yeah.

0:53:36.270 --> 0:53:49.990  
Sricharan Amarnath  
So Akash anyway, so can you just you know summarize the what has been done and the dog Pvt K side of it like you know what we were discussing the other thing so then.

0:53:56.650 --> 0:53:56.870  
Sricharan Amarnath  
Yeah.

0:53:59.400 --> 0:53:59.600  
Sricharan Amarnath  
Yeah.

0:54:8.200 --> 0:54:8.380  
Sricharan Amarnath  
Yeah.

0:53:50.420 --> 0:54:8.730  
Akash Ambadas Salmuthe  
Actually, I didn't, uh, make the documentation at that time, but uh, I can summarize some things like you just some different templates from the BH, some like nameplates and try try it like hugging face level as itself and uploading and question answering all those things are.

0:54:11.440 --> 0:54:12.70  
Sricharan Amarnath  
Yeah.

0:54:8.880 --> 0:54:13.280  
Akash Ambadas Salmuthe  
But there is a problem like if names in the columns are in the vertical manner.

0:54:12.120 --> 0:54:14.450  
Sricharan Amarnath  
So let's let's yeah, let's connect.

0:54:15.360 --> 0:54:15.740  
Akash Ambadas Salmuthe  
Uh, yeah.

0:54:14.460 --> 0:54:15.750  
Sricharan Amarnath  
Actually, you and me.

0:54:15.750 --> 0:54:16.320  
Akash Ambadas Salmuthe  
OK, sure.

0:54:19.510 --> 0:54:19.840  
Akash Ambadas Salmuthe  
Umm.

0:54:15.760 --> 0:54:22.270  
Sricharan Amarnath  
So I'll I'll try to give you some templates in that if you put, I think it'll be useful for everyone.

0:54:23.0 --> 0:54:23.850  
Akash Ambadas Salmuthe  
OK, OK, sure.

0:54:22.840 --> 0:54:25.110  
Sricharan Amarnath  
So let's not take time.

0:54:25.230 --> 0:54:27.180  
Sricharan Amarnath  
In this call, let's connect separately, so.

0:54:28.650 --> 0:54:28.800  
Akash Ambadas Salmuthe  
Yeah.

0:54:29.170 --> 0:54:29.330  
Sricharan Amarnath  
Yeah.

0:54:32.180 --> 0:54:33.690  
Sricharan Amarnath  
Alright, so thanks.

0:54:33.700 --> 0:54:34.890  
Sricharan Amarnath  
Thanks everyone for the time.

0:54:34.960 --> 0:54:38.710  
Sricharan Amarnath  
So let's connect so anytime we can sync up again.

0:54:41.220 --> 0:54:41.590  
Rinisha M  
OK.

0:54:41.660 --> 0:54:42.310  
Rinisha M  
Thanks Jen.

0:54:42.390 --> 0:54:42.820  
Rinisha M  
Thanks for the.

0:54:42.450 --> 0:54:42.940  
Eswar Poluri  
OK.

0:54:42.740 --> 0:54:42.950  
Akash Ambadas Salmuthe  
Good.

0:54:42.760 --> 0:54:43.150  
Sricharan Amarnath  
Thanks.

0:54:42.950 --> 0:54:43.300  
Eswar Poluri  
Thank you.

0:54:43.160 --> 0:54:43.610  
Sricharan Amarnath  
Thanks.

0:54:43.320 --> 0:54:43.660  
Akash Ambadas Salmuthe  
Thank you.

0:54:43.620 --> 0:54:44.30  
Sricharan Amarnath  
Thanks.

0:54:44.40 --> 0:54:44.420  
Sricharan Amarnath  
Thanks.

0:54:44.430 --> 0:54:44.640  
Sricharan Amarnath  
Bye bye.

0:54:44.640 --> 0:54:45.690  
Nisam Mudheen  
Thanks, bye.

0:54:45.760 --> 0:54:46.420  
Sricharan Amarnath  
But in some.