

Developing a Personalized AI Assistant for Indian High School Students

Speaker 1 (00:02)

Another project that I worked on myself and this is more of a personal passion project and it was also I also built this as a poc for somebody And yeah so this is more in the field of education and using the latest AI technologies there the idea behind this project was to create a virtual assistant which would understand a student their capabilities and you know their mindset their personality it would understand this about But candidate or student let's say a student right and this was targeted towards the high school students in India so after understanding the capability the mindset and the ability of a student to learn something right we were building a platform that could help them

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Could A stately gauge the students you know what mood they were in and Right and you know what their ability was and so on with a chat conversational you know Conversation conversation between between the the bot bot and and the the between between this their virtual virtual you you know know assistant assistant and understood the student and and after after having having this this conversation conversation once once it grasps it grasps the the students students understanding understanding or or about about the the student student once once it creates it creates a profile a profile around around the the student stud we will also get few more information like what they are interested in you

know like some sort of sports or you know cars or any sort of interest right that they have right so we will gauge that and then we will deliver their subjects so we will create a study plan for them to prepare for their final exams and we will create a you know so we will using the A based on their

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ability or based on their profile so in a more you know if there is a student who can grasp a bit more of some you know something that they are learning from physics some ideology or some concept then we would give them a bit more detail for a person who finds it difficult we would give them a more crisp and shortened version of what they really need to understand what they really need to know you know so modifying the content delivery based on the students You know ability and there are 2 also in the platform we Put in like 2 types of testing one is a Stell testing which the student will not realise that they are being tested on so just in the conversational flow we tried you know we test them here and there you know just and then some standardised you know quizzes and something that we also keep on the platform of course through the you know through natural language with the assistance so it does not feel like they are actually doing a test test but you know it's more of a conversational

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flow and you know where they are being tested in there in what they understood so this is mainly to make sure that can be you know closest topic and move forward so to analyse that we are doing this right so that was your overall idea of

the project how to you know both deliver contents so that a student can retain you know so there is a lot of psychological profiling a lot of educational psychoetric tools that are being integrated and also a lot of different frameworks and models that would help student learn a particular subject so mathematics has its own framework on how you can deliver the content more efficiently physics and chemistry they have their own frameworks so different frameworks so these are all based on research and papers that are out there and some of them have been implemented in schools and you know some of them are efficient some of them are okay right some frameworks are okay in performance but using these frameworks we built and actually we still building I'm still

Speaker 1 (04:47)

building it still improving on it but building a virtual assistant to engage with students delivered customised content so that they can grasp and understand this concepts easily so based on what kind of a person they are right based on them so we are And

GLS

05:22

