

Question 3:

Where do you see the future of technology to be and how do you envision yourself in that future context?

Ans. The future of technology seems interesting. It feels like advancement in this sector is never stopping, or slowing down. In fact, it is growing exponentially. With the advancement in Artificial Intelligence, technology seems to be turning human imagination and anything he could possibly dream of doing, into reality. Machines have already entered human life and with this increasing advancement, machines are probably going to be handling a major portion of our daily life activities. We would highly be dependent on machines for our day operations. Robotic technologies will become a common thing in everyday life.

With this acceleration and interesting advancements yet to happen, I see myself as a budding software engineer. Because we need software engineering to facilitate designing and building systems or platforms which will provide these services to the mankind, I would be having a lot of opportunities to contribute in using technology for solving real world problems. I would love to grow and explore this field and bring innovative ideas to implementation.

Question 4:

What is a problem you have observed and how would you attempt to solve it with tech?

Ans. Given the potential of technology, the solutions it can offer to daily life problems big or small, are limitless. I have always been amazed at how technology when applied to any real-world problems can solve them, and transform our way of living and bring about a change.

With the evolution of technology over the past few years, most of the problems that humankind could ever face are already solved at our ease. For instance, think of any service that you could need at your disposal, and there is probably already some solution implemented to that using technology in some part of the world. The advancement in AI further adds to it.

According to me, with the pace at which technology is advancing today, it will be about discovering new problems occurring at day-to-day basis with that advancement and the changing times and circumstances, and working on solving those.

One such problem that I think has risen due to the changing circumstances over the last 2 years due to the corona pandemic concerns the education system in India. The sudden transition of traditional system of education to online education has caused a tremendous boost in Indian ed-tech, and simultaneously brings about problems yet unsolved. According to me, as a student, I have somewhat felt disconnected and disoriented due to the shift of education online. Technology could help me feel more connected to my college in those times.

The problem we need to recognize is how the students lack motivation and orientation in online education, and feel directionless when they have any queries. To solve this using the knowledge of technology I have, I think I could design an application that helps students of a school/college stay connected. The application would have a profile for every student, teacher and member of the school/college. The person specific profile would have related features and would keep the members connected on the app as working under the same roof.

The features that could really help with solving some real-life problems include-

- A page to keep students informed about all that is happening in the college through a notice page.

- A virtual college tour/guide that would help freshers get acquainted with their college through pictures/videos and asking query feature.
- Online college library – feature of renting books online provided by the college at one place. The students would have one stop for any book that they might need for the syllabus or recreation, rather than going to different platforms and searching free pdfs which is sometimes time consuming and exhausting.
- A page where one could get all the information related to college clubs and societies, and important deadlines for their recruitment or events conducted by them. This could be extended to include the benefits each society offers to your overall development and its past events that showcase the same. The societies will have a membership option, and would have certain event reminders like features specific to members.
- The students would have the feature of attending and viewing lectures on the website, and further make notes using the platform, store files, submit assignments and assessments and get online performance report to view at any time.
- There would be a hangout feature, where friends or groups could hang out or have fun virtually, through means of quizzes, games, conversations, brainstorming, etc. This would lead to bonding and make them feel connected despite the distance.
- A chat feature with any faculty member or fellow student to get queries solved.

In short, it could be a one stop solution for school/college students and greatly help digitalize school and college system according to the current need.