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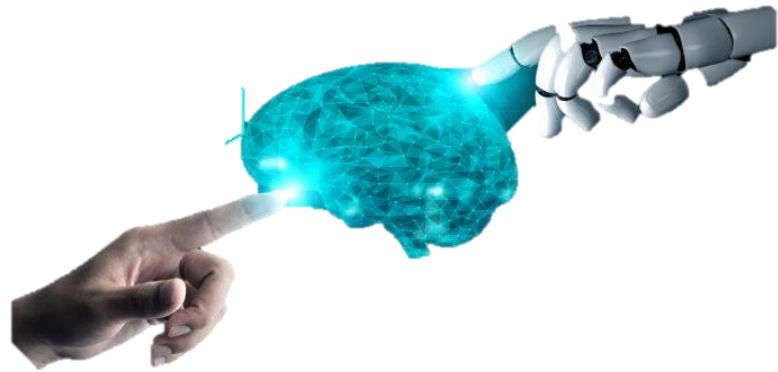
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**REDUCE
SINGLE
USE**



May & June '21
Edition

BREAKTHROUGH TECHNOLOGIES

MY INTERVIEW EXPERIENCE

**REDUCING SINGLE USE PLASTIC
POLLUTION: ROLE OF YOUTH**

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There's a shift in the air. A virtual evolution is prevalent across the globe, which has improved our way of life. Technological improvements have opened up greater opportunities for innovation, agility, and market development.

The Covid-19 pandemic enhanced digitization and automation, allowing companies to remain robust even in rigid situations. Most of the businesses adopted challenging technologies and modified their business models.

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The impact of this pandemic will last for a long time, and the digital transformation will persist. If businesses do not stay up with technology advances, it will be challenging to overcome the burden. Advanced technology will continue to revolutionize our lives and the way we utilize, renders enormous opportunities for businesses worldwide.

Technical growth is implied as staying updated with novel technology. And it is meant that focus should be levied on the future to acquire the competency to earn a stable job tomorrow and even learn how to get there.

Though all the fields have adverse effect due to this pandemic, most of the global IT professionals lay back and execute remote work. And if we desire to utilize our utmost time at home, following top 5 new technology trends one should adhere to secure one of the jobs that will be created by these new technology trends.

Top 5 new technology trends:

1. Artificial Intelligence (AI) and Machine Learning
2. Virtual Reality and Augmented Reality
3. Block chain
4. Internet of Things (IoT)
5. 5G



1. Artificial Intelligence (AI) and Machine Learning

Artificial intelligence is the replication of human intellect which is processed by machines, particularly laptop systems. Explicit applications of AI embody skilled systems, linguistic communication processing, speech recognition and machine vision.

Machine learning is termed as an Application of artificial intelligence (AI) that renders systems the capability to automatically learn and enhance out of experience without being unequivocally programmed. Machine learning concentrates on the enhancement of computer programs that can use data to learn on their own.

2. Virtual Reality and Augmented Reality

The use of computer technology to create a simulated environment is known as virtual reality (VR). In contrast to typical user interfaces, virtual reality immerses the user in an experience. Users are immersed and able to engage with 3D worlds rather than viewing a screen in front of them.

Augmented reality (AR) is a technologically augmented version of the real world that is created through the use of digital visual elements, music, or other sensory stimulation. It's an emerging trend among businesses that deal with mobile computing and commercial apps.

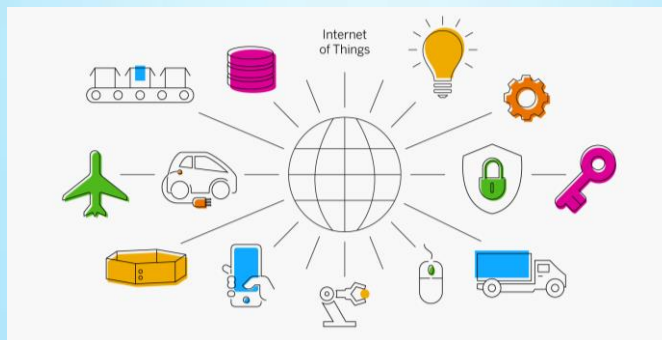


3. Block chain

In a business network, block chain is a shared, immutable ledger that makes it easier to record transactions and track assets. A tangible asset (a house, car, cash, or land) can be intangible (intellectual property, patents, copyrights, branding). A block chain network can track and sell virtually anything of value, lowering risk and lowering costs for all parties involved.

4. Internet of Things (IoT)

The Internet of Things (IoT) is a network of physical objects (or "things") that are implanted with sensors, software, and other technologies in order to connect and exchange data with other devices and systems over the internet. These devices range in complexity from common household items to sophisticated industrial instruments. Experts predict that by 2025, there will be more than 22 billion linked IoT devices, up from more than 7 billion today.



5. 5G

5G, the fifth generation of cellular technology, designed to increase speed, reduce latency, and improve flexibility of wireless services. 5G technology has a theoretical peak speed of 20 Gbps, while the peak speed of 4G is only 1 Gbps. 5G also promises lower latency, which can improve the performance of business applications as well as other digital experiences (such as online gaming, videoconferencing, and self-driving cars).

Even if the technologies are emerging and evolving all around us, these top 5 new technology trends mentioned above will most certainly take over our habitual lives in the coming years.

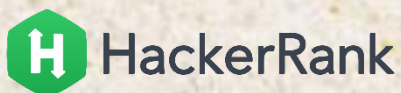
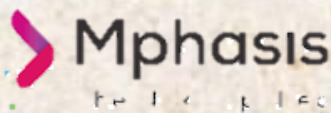


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I'm SHAFREEN M.I, pursuing my final year at Dr.Mahalingam College of Engineering and Technology, Pollachi. In this article, I am enthused to express my personal placement experience. I was hired as an Associate Software Developer(ASE)at MPHASIS. As a final year student, my objective is laid on being placed in a reputed company with a high pay that ought to suit my gray matter. My institution commenced online classes during my third year, and I was unable to fully benefit from the online classes, so I started learning on my own. I began preparing for the aptitude test, which is the first phase of every company's hiring process. Every day, I chalked out a short-term goal for myself and ensured to execute all the tasks scheduled for that day. I initiated the preparation in Problem Solving after covering all the topics. For learning algorithms, I started using sites like Hackerrank and Leetcode. I'll explain how I created my resume. Before building a resume, the following questions should be framed ourselves: Is your resume neatly formatted and organised? Is the format of your resume effective in demonstrating the significance of your accomplishments? Have you included a professional summary? And I added some blooming technologies to my resume, which will have an impact on the resume, as well as some projects I completed during my college days. Areas of interest such as Computer Networks, Linux Administration, and Data Structure are the focal areas that HR may arise questions exclusively from the topics furnished in the resume. Furthermore, no other questions may be raised other than our resume.



The very first company I attended was VVDN technologies that is a Cloud-based Company located inside my college campus. I was short listed for the first round, which was Aptitude, and was called out for the second round, which was Personal HR, and the questions were scenario-based. The HR was very friendly, and the way she made me feel at ease within a minute made it very easy for us to talk to the HR as students, and it was a hectic and happy 10 minutes.

Guess What!!! After 15 days of the second round, I waited for my result to come but I didn't expect me to be in the first place. Technical HR was all over my department, and I was very nervous because they had just informed me of the interview 15 minutes before, and I was completely unprepared. I didn't perform well in that round because I was nervous. So I wasn't selected.



Then I attended a company named VURAM technologies. I advanced to the fourth round, but I was not chosen by that company either. After that, I tried more than ten companies, both on and off campus, and I applied for every event and course that would be a highlight on my resume, and I worked hard on my technical knowledge until I was fed up!!! During these times, I have passed two or three rounds and have not been chosen by any companies.

Then I went to Mphasis. The first round lasted about 2 hours. The AMCAT test is very important in Mphasis. It consists of questions from all the sections. Logical Reasoning, Quantitative Aptitude, Verbal and Nonverbal, and C Programming MCQs were the sections.

I cleared the first round, and the second round was Group Discussion the Topic was “ONLINE EDUCATION IS BOON OR BURDEN”, and I delivered some points finally I cleared the second round. The third round was Technical HR, and the total time was around 45 minutes. First, HR asked Self Introduction, then he asked some of the basics questions in Java and C, then he asked questions about Area of Interest and he asked me some scenario-based questions, 2 programming questions I answered all of them. Then I asked him company-related questions because I had referred to their company website before going to interview, so I asked him. Finally, I cleared the Technical HR round, and the final round was Personal HR, which was a 5-minute interview in which HR simply asked about my hobbies and what I had done aside from studies.



The interview was then completed, and Hooo!!! I completed all of the rounds in Mphasis and received the mail after two days.

Thanks to my parents, faculty members, Placement Head and IAPCs

REDUCING SINGLE USE PLASTIC POLLUTION: ROLE OF YOUTH

What are single-use plastics?

These are disposable plastics which are used once and then discarded or recycled. Single-use plastics include items such as plastic water bottles, straws, and plastic bags. This has become a major issue for the environment. Plastics decompose over millions of years and pollute the environment. When we throw plastics into the ground, they do not decompose easily because they are non-biodegradable waste. As a result, wastes that fall to the ground pollute the land and may be consumed by animals such as cows, where it is struck and invades their internal organs, causing severe effects and even death.



Youths are the strength of the country. They could do anything and capable of everything. Thus, India tops the list of having highest youth population. Every young citizen bears the responsibility of raising public awareness about the issue and reducing its use.



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The Existential Angst of my Dreams

REFUSE is one of the "R's." It is our responsibility to refuse plastics. For example, when you go shopping, bring a cloth or paper bag with you and politely refuse plastics. You should be proud of yourself and happy that you are contributing to the reduction of our country's population. You can also REDUCE and REUSE the plastics, and let's try to avoid recycling plastics because they release chemicals and some gases into the environment, causing negative consequences.

We use plastics indefinitely for our convenience. We must reduce our use of plastics in our daily lives. For example, instead of using or reducing the use of plastic water bottles, we should replace them with steel bottles. Steel bottles have no negative impact on the environment. Let us reduce our use of plastics while increasing our creativity in finding alternatives. We must rid the country of plastics and experiment with alternative materials. The toxic chemical released during the production of plastic is another demerit. It examines the negative effects of plastic on our entire planet. For example, plastic buried in soil can release a toxic chemical that is mixed into the ground and is harmful to agriculture. Many people in rural and even urban areas set old plastic objects on fire in the hope of getting rid of them.

In the present time, the participation of today's youth is a dire need to save the future plastic-free, every youth has to take their step forward to reduce single-use plastic pollution for this the following efforts have to be made firstly avoid buying plastic bottled and bring your own reusable cup or bottle.



Some of the harmful effects of plastics:

Manufacturing plastic leads to environmental and sociable impacts.

It leads to climatic change. Landfills cause serious hazards.

It pollutes our environment, like air pollution which impacts the quality of air and causes health hazards to the people. Manufacturing plastic needs natural resources. Moreover, if we reduce the usage of plastics, we can sustain environment for future generations. Additionally, it's our obligation.

LET'S RAISE OUR VOICE AND JOIN OUR HANDS IN THIS REGARD JUST TO SAVE OURSELVES, OUR FUTURE GENERATIONS AND OUR EARTH!

Hello everyone, this is Manoj K Sriivardhan, Alumini MCET & FOUNDER of Mayon Auto Garage.

Even as a sophomore, I was more interested in doing projects and solving problems. The college, through CIBIE, supported this idea of mine. My team's participation in the Global Student Entrepreneurship Award (GSEA) and a few other competitions provided me with valuable exposure as well as the opportunity to fine-tune my business concept.

Today, I am grateful that I was given the confidence to pursue my passion at the right time, allowing me to choose the red pill "entrepreneurship" as a student with no prior knowledge of business. I recall the college assisting me by sponsoring the fabrication of my first prototype, a farm equipment that was displayed at the Renewable Energy and Sustainable Environment International Conference.



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In my opinion, CIBIE, The Center for Incubation and Business Entrepreneurship, is an excellent place to begin one's entrepreneurial career. I am grateful to all of the professors who mentored my ideas and guided me through this entrepreneurial journey!

HIGH QUALITY CAR DETAILING PRODUCTS OF MAYON

Without a doubt, all of the aforementioned factors have combined to make me a formidable competitor in the industry. At present I'm working towards organic farming. I also received an EDII grant through the college's Incubation Centre to develop a simple machine that will automate organic manure production. I'm also working on introducing an automated machine to help with organic farming. I'd like to thank CIBIE and MCET once more for their assistance in realising my dream of becoming an entrepreneur. Thank you very much!



Nature that speaks



**Rain drops on flowers bring
blessedness**

Pop the colours of nature.

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