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*An Initiative By*



*Department of Information Technology*

## #SATYAVACHAN

**Make today's obstacles,  
tomorrow's opportunities.**

Discover your potential to make  
stepping stones out of things  
that try to hold you back.

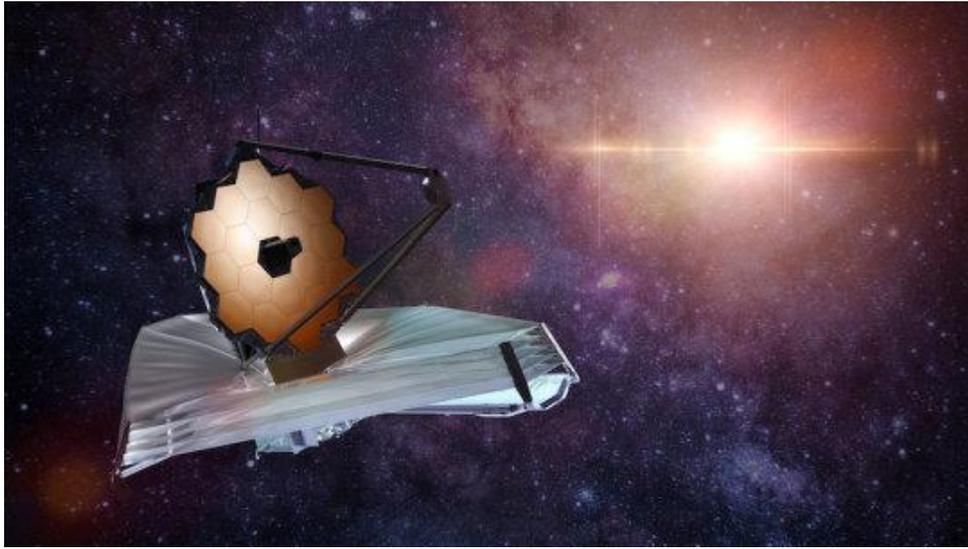
**Staff Coordinators:**

- Mrs. Sanketi Raut
- Mr. Akshay Agrawal

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## NASA's Webb telescope launches to see first galaxies, distant worlds



A joint effort with ESA (European Space Agency) and the Canadian Space Agency, the Webb observatory is NASA's revolutionary flagship mission to seek the light from the first galaxies in the early universe and to explore our own solar system, as well as planets orbiting other stars, called exoplanets.

"The James Webb Space Telescope represents the ambition that NASA and our partners maintain to propel us forward into the future," said NASA Administrator Bill Nelson. "The promise of Webb is not what we know we will discover; it's what we don't yet understand or can't yet fathom about our universe. I can't wait to see what it uncovers!"

Ground teams began receiving telemetry data from Webb about five minutes after launch. The Arianespace Ariane 5 rocket performed as expected, separating from the observatory 27 minutes into the flight. The observatory was released at an altitude of approximately 75 miles (120 kilometers). Approximately 30 minutes after launch, Webb unfolded its solar array, and mission managers confirmed that the solar array was providing power to the observatory. After solar array deployment, mission operators will establish a communications link with the observatory via the Malindi ground station in Kenya, and ground control at the Space Telescope Science Institute in Baltimore will send the first commands to the spacecraft.

Engineers and ground controllers will conduct the first of three mid-course correction burns about 12 hours and 30 minutes after launch, firing Webb's thrusters to maneuver the spacecraft on an optimal trajectory toward its destination in orbit about 1 million miles from Earth.

"I want to congratulate the team on this incredible achievement -- Webb's launch marks a significant moment not only for NASA,

but for thousands of people worldwide who dedicated their time and talent to this mission over the years," said Thomas Zurbuchen, associate administrator for the Science Mission Directorate at NASA Headquarters in Washington. "Webb's scientific promise is now closer than it ever has been. We are poised on the edge of a truly exciting time of discovery, of things we've never before seen or imagined."The world's largest and most complex space science observatory will now begin six months of commissioning in space. At the end of commissioning, Webb will deliver its first images. Webb carries four state-of-the-art science instruments with highly sensitive infrared detectors of unprecedented resolution. Webb will study infrared light from celestial objects with much greater clarity than ever before. The premier mission is the scientific successor to NASA's iconic Hubble and Spitzer space telescopes, built to complement and further the scientific discoveries of these and other missions.

"The launch of the Webb Space Telescope is a pivotal moment -- this is just the beginning for the Webb mission," said Gregory L. Robinson, Webb's program director at NASA Headquarters. "Now we will watch Webb's highly anticipated and critical 29 days on the edge. When the spacecraft unfurls in space, Webb will undergo the most difficult and complex deployment sequence ever attempted in space. Once commissioning is complete, we will see awe-inspiring images that will capture our imagination."

The telescope's revolutionary technology will explore every phase of cosmic history -- from within our solar system to the most distant observable galaxies in the early universe, to everything in between. Webb will reveal new and unexpected discoveries and help humanity understand the origins of the universe and our place in it.

NASA Headquarters oversees the mission for the agency's Science Mission Directorate. NASA's Goddard Space Flight Center in Greenbelt, Maryland, manages Webb for the agency and oversees work on the mission performed by the Space Telescope Science Institute, Northrop Grumman, and other mission partners.

In addition to Goddard, several NASA centers contributed to the project, including the agency's Johnson Space Center in Houston, Jet Propulsion Laboratory in Southern California, Marshall Space Flight Center in Huntsville, Alabama, Ames Research Center in California's Silicon Valley, and others.

Source: <https://www.sciencedaily.com/releases/2021/12/211225074846.htm>

**- MRS. SANKETI RAUT  
(Assistant Professor)**

## **What makes a tech resume stand out? It's not certificates or experience**

Your resume is the first thing that hiring managers see. Hence, it is important that you format your resume in a way that it can open doors of new opportunities for you the moment someone looks at it. If you are struggling with cracking the code to a well-structured resume, India's biggest technology community of 4.2 million people - TechGig - is here to help you. From a recent TechGig poll 'What makes a techie's resume stand out in the competitive job market?', taken by Over 300 techies, we got the following answers! Read on to find out how much weightage should you assign to various sectors like 'education', 'certification', 'skills' and 'work experience'.

- **Education and certification should not be the top column of your resume:**

Techies feel that your education and certification contribute the least in making your resume unique. 'Academics' got only 6% of the total votes.

- **Past achievement will not do the trick for you:**

Only 16% IT professionals feel that your achievements in previous jobs will impress recruiters and make your resume stand out of the crowd.

- **Experience in a certain technology might help you to stand out in a competitive job market:**

The runners-up of the poll was 'experience in a certain tech domain' with 26% votes. Of the total 300+ techies, 80 agree that expertise in a particular tech domain via experience will help you land a job in a competitive job market.

- **Winner: 56% techies feel that 'skills & tools learnt' will help your resume stand out:**

If you want your resume to get you the job you want, you need to assign maximum weightage to the skills and tools you have learnt. 160 IT professionals are of the view that your technical skills should be formatted in a way that it grabs the eye of the hiring managers.

Source: <https://content.techgig.com/what-makes-a-tech-resume-stand-out/articleshow/88428410.cms>

**- MR. AKSHAY AGRAWAL  
(Assistant Professor)**

# Stay secure at work and home with these 11 tips.

The line between our on- and off-line lives is shifting as technologies bring the internet into our workplaces, homes, and everywhere in between. Here are 11 cyber defense best practices for securing your digital systems and data.

## 1 Set some priorities.

What are your cybersecurity goals? Have you identified which systems and data you will protect? CIS relies on a global community of cyber defense experts to identify, validate, and promote security best practices such as the CIS Controls (formerly the SANS Top 20) and CIS Benchmarks.

- CIS Controls: Prioritized cybersecurity best practices
- CIS Benchmarks: Configuration guidelines for 140+ technologies



## 2 Think before you click.

Hover over a link to reveal the destination URL. If it looks different from what you expect, don't click on it. Search instead for the website you need to find or enter the URL directly into your browser's navigation bar.



## 3 Don't get phished.

If you receive a suspicious email at work, don't open or click on it. Instead, follow up with your IT security department. Suspicious emails will often have a sense of urgency (a sale, emergency, etc.) driving a request for personal data such as banking information or personal details.

→ How to Spot Phishing Messages Like a Pro



## 4 Go beyond the password.

Try using a passphrase with letters instead of a simple password. This unique approach can help you remember long strings for added security. Consider the weak password "cheese" compared to the complex passphrases "110v3ch33s3" or "m0r3ch33s3pl3as3."



## 5 Keep it fresh.

Always install the latest updates for your operating system, browser, and any applications installed on your device. Cybercriminals look for outdated, unpatched systems to leverage known vulnerabilities. Don't let yourself (or your organization) become an easy target.

→ Subscribe to advisories



## 6 Reflect, then connect.

Before you connect to an unfamiliar Wi-Fi network, think about the risks. What data might be shared over the connection? Using a VPN can help protect you by creating an encrypted, private connection to the internet.



## 7 Shop smart, shop secure.

Shopping online has become a modern, everyday convenience. Protect sensitive banking data by only shopping on sites you trust. Never save your card information where it could be stolen and used later.



## 8 Avoid configuration confusion.

Configuration sounds like a big responsibility—and it's an important part of your security program! But it really comes down to the settings for a particular program or machine. You should securely configure workstations, printers, and any network or internet-connected devices in your home or office.

→ Need to be PCI compliant? Check out CIS Benchmarks for operating systems, servers, cloud infrastructure and more.



## 9 Don't be the bully.

When conducting business or personal affairs online, remember to be thoughtful and use polite language. Keep in mind that sharing someone's private personal information online, also known as doxing, is never okay and may get you in legal trouble.



## 10 Charge with caution.

Don't plug your mobile devices into any outlet you find. Whether it's a work or personal device, you could risk becoming the victim of malware or data theft. If you're worried about running out of battery, bring a back-up power bank.



## 11 If it matters, use multifactor.

Multifactor authentication relies on more than one of the following to identify you:

- Something you know:
  - a passphrase or swipe pattern
- Something you are:
  - biometrics, fingerprint scanning
- Something you have
  - access to an email account or text code

Use a minimum of two-factor authentication on any important accounts or computers where sensitive data is handled.



## 4 'Unproductive' Habits That Make You More Productive

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2020 brought new challenges to the way entrepreneurs attract customers, utilize technology and outperform their competition.

Many business leaders have been pushing themselves to the limit to adapt to these changes.

Unfortunately, using that approach is exhausting for the mind and body, and counterproductive in finding the most innovative ideas.

If you're looking for ways to be more productive, try these four "unproductive" habits to improve your energy and creativity, and help you take your business to the next level.

### 1. Sleep in more:

How long should you sleep? The actual amount of time depends on your body's needs, but your goal is to wake up feeling refreshed. While you're sleeping, your body is doing the essential maintenance required. Your cells are repairing, your brain is processing information and your sympathetic nervous system is relaxing.

When you shortchange your sleep, you shortchange yourself. If you enjoy waking up early, try adjusting your schedule to go to bed earlier. If you want to stay up late, start allowing yourself to sleep in.

### 2. Take lots of breaks:

It's easy to forget about what's best for your brain when you're battling a deadline. You might think pushing through is what you need to do, but a 2011 University of Illinois study found focusing too long on a task actually decreases productivity.

Doing something as simple as taking a quick walk can increase your creativity and energy. There are several different methods and techniques you can choose to follow. The Pomodoro technique has individuals taking breaks starting every 25 minutes, but other methods could have you working for a full 90 minutes. The key is to find what works best for you.

Give yourself enough time to engage in an activity that gives your body and mind what it needs. One break could consist of stretching, while another break could be eating a healthy snack or taking a power nap.

### **3. Laugh:**

Children tend to laugh numerous times throughout the day, yet the average adult laughs significantly less. While being an adult may bring on added responsibilities and stress, it's important to find ways each day to do things that make you laugh and bring you joy.

Several years ago, the World Health Organization named "stress" as the "The Health Epidemic of the 21<sup>st</sup> Century". Since then, the pandemic has increased the amount of stress individuals are feeling at work and home.

One way to help combat stress is through laughter. When you laugh, your body releases endorphins that reduce stress and improve your mood. Studies have also shown that laughing can help reduce blood pressure.

Each day, try to seek out ways to laugh more. It only takes a few minutes to watch a quick video or chat with a funny friend, and you'll start to feel the benefits immediately.

### **4. Do nothing:**

Is your calendar filled with meetings, projects and endless things to do? Constantly multi-tasking and having a packed schedule can make you feel overwhelmed and exhausted. It's important to take time to get quiet each day.

Meditation can be an effective way to rest your mind, while increasing your creativity and focus.

It can also help lower your stress and reduce negative emotions.

Meditation may seem intimidating or even difficult because your thoughts tend to wander, but there are many great apps out there that can help you with the process. Also, it might be helpful to start with only a couple minutes at a time and then increase the amount as you get more used to doing it.

If you've been under the pressure of constantly trying to do more, let me encourage you to try doing less. The key to finding the ideas your business needs could be as simple as taking the time to take care of yourself.

*Source:* <https://www.entrepreneur.com/article/376925>

**- MS. MALIHA MOMIN  
(TE IT)**

## STUDENT'S PLACEMENT FOR A.Y. 2021-2022

Sr. No.	Name of the Student	Company	Package (in LPA)
1.	Nidhish Mehra	Acty Systems	3.60
2.	Prathamesh Keni		
3.	Rahil Mehta		
4.	Satish Aoudichya		
5.	Aditya Limaye	Pentagon Space	4.00
6.	Himanshu Pareek		
7.	Kaushal Rajbahadur Singh	Techmahindra	3.50
8.	Rachita Mogaveera		
9.	Satish Ashok		
10.	Aaksha Doshi	TCS	3.65
11.	Arirban Rudra		
12.	Jeet Doshi		
13.	Jinal Padhiar		
14.	Kushal Singh		
15.	Payal Chaudhary		
16.	Satish Ashok		
17.	Sonia Bagalkot		
18.	Tanay Reshamwala		
19.	Rachita Mogaveera	Wonderbiz	4.50
20.	Roshan Maur		

Sr. No.	Name of the Student	Company	Package (in LPA)
21.	Harshika Parmar	Wipro	4.00
22.	Jeet Doshi		
23.	Kushal Singh		
24.	Nidhish Mehra		
25.	Parth Merchant		
26.	Rachita Mogaveera		
27.	Roshan Maur		
28.	Satish Ashok		
29.	Harshika Kiran Parmar	Hexaware	4.00
30.	Jeet Doshi		
31.	Kunal Sanjay		
32.	Rachita Ravi		
33.	Shubham Prakash	Virtusa	4.50
34.	Satish Aoudichya		
35.	Himanshu Pareek	Bauer Corporation	3.50
36.	Poorna Patil		
37.	Zeba Istiyaq Qureshi		

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