

CLOUD COMPUTING ASSIGNMENT 1

AWS Cloud Literacy

MISSION 1- COMPUTER BASICS

- Able to retrieve, store and process data
- Takes data as input from the user and process the data inputs using set of instructions understood by the computer and conducts an action or gives the result.
- They communicate through binary code

COMPUTER NETWORKS:

Two or more devices that are connected through some medium and are capable of sharing resources and information.

DATA CENTER:

- George Stibitz uses teletype Machine.
- It gets advanced on the further years like radar system used in military system SAGE(Semi-Automatic Ground Environment).
- As the years evolved, the technology has improved that satisfy the high computing demands.
- In future, there emerge High Performance Computing systems.(HPC)

CLOUD CENTRAL:

Cloud Computing:

- Simple way to access servers, storage, databases and broad set of application services over the internet.
- It contains 3 services:
 - ✓ IaaS
 - ✓ PaaS
 - ✓ SaaS

MISSION 2 – CYBER SECURITY

- The part of computer technology that deals with protecting things on your computer is called CYBER SECURITY.
- Protecting things in computer -> Cyber Security

- Weak spots in devices -> Vulnerability
- Program left by intruders for spying contains Malware such as viruses and bots
- To prevent this -> needs firewall -> it watches action and prevent it from happening
- Cloud -> location that contains large number of computers called servers in a physical data center

MISSION 3 – DATA ANALYSIS;

- DATA PROCESSING – is getting the data ready.
- Data comes from many forms and many sources
- Initially workers using inputs manually create the data using keyboard
- Then scans and prepares input(sensors)
- Computers capture data published on websites -> web scrapping
- Web scraping- computers can capture data that are on ‘Website’.

BIG DATA:

- Information collected on a large scale from various sources.
- ‘live’ meaning that it is collected and updated without the need for humans to enter it manually.

MISSION 4- VARIABLES & PROGRAMMING: ALGORITHMS-

- An algorithm is **a procedure used for solving a problem or performing a computation.**
- Algorithms act as an exact list of instructions that conduct specified actions step by step in either hardware- or software-based routines.
- Algorithms are widely used throughout all areas of IT.

MISSION 5- IMPACT OF COMPUTING;

- Advancements in computing technology change people’s everyday activities.
- Devops is the blend of Development and Operations

- Social Engineering(Tricking people and breaking security procedures), Security Attacks(starts with personal information that is publicly available online), Protection(Requires Authentication)
- **As the data exchange rate grows faster, the world appears to get smaller.**

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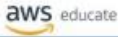
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The AWS Educate Team

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PORTFOLIO:







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Srivarshini Suresh

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Preferred Language: English
Currently Looking for a Job: No



Degree & Major:
School:
Expected Graduation:
Career Choices: Cloud Literacy (Inventor) | Getting Started with Storage
Willing to Relocate: No


A Few Words:


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BADGE;



- **SRIVARSHINI S**
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