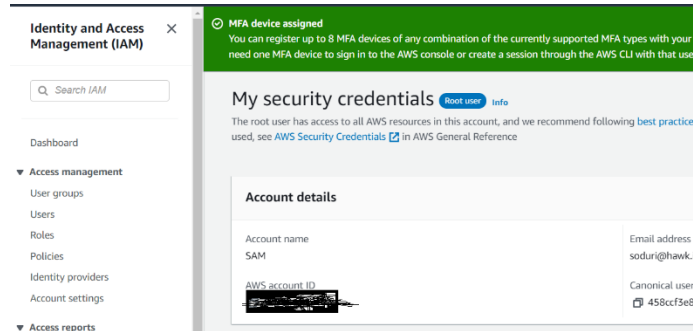


Big Data Technologies – CSP 554 Assignment 1 [Week 1]**Name : Sai Ram Oduri****AID : A20522183****e-mail: soduri@hawk.iit.edu**

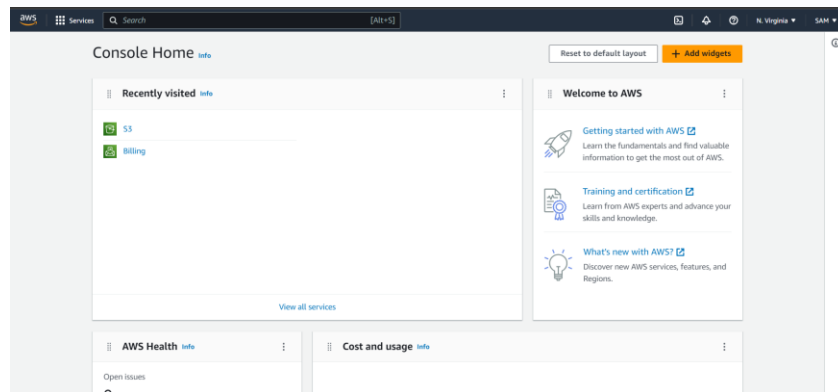
1. What was the problem with the Google flu detection algorithm?
 - A. The problem with the Google flu detection algorithm was its overestimation of flu prevalence due to faulty data analysis. The algorithm used search queries to predict flu outbreaks, but it failed to account for shifts in user behavior and search trends, leading to inaccurate predictions.
2. What is big data hubris?
 - A. Big data hubris refers to the overreliance and unwarranted confidence in the power of large datasets to provide meaningful insights. It occurs when organizations believe that having vast amounts of data alone can solve problems without considering the need for robust analysis, domain expertise, and data quality.
3. What approach could have been used to improve the Google flu detection algorithm?
 - A. It involves incorporating additional data sources such as social media trends, healthcare records, and geographical factors. Moreover, applying machine learning techniques capable of adapting to evolving search behaviors would enhance the algorithm's accuracy.
4. What is “algorithm dynamics?”
 - A. Algorithm dynamics" refers to the changing behavior and performance of an algorithm over time. This can occur due to shifts in data patterns, user interactions, or external factors. In the case of the Google flu detection algorithm, changes in search behavior during flu outbreaks led to a divergence between predicted and actual flu prevalence, illustrating the impact of algorithm dynamics on its effectiveness.
5. What aspect of algorithm dynamics impacted the Google flu detection algorithm?
 - A. During flu outbreaks, people's search queries changed as they sought information about symptoms, treatments, and preventive measures. This change in search behavior led to a discrepancy between the algorithm's predictions and the actual flu prevalence, as it failed to adapt to the evolving patterns in user searches.

AWS Account Creation Screenshots

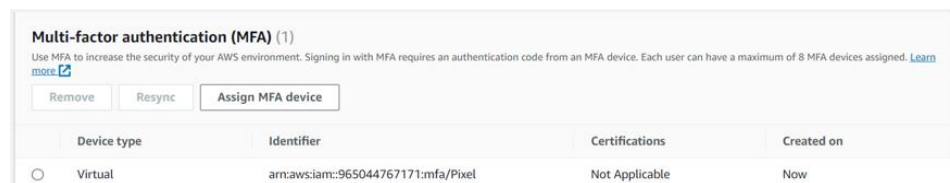
IAM – created a Basic Account



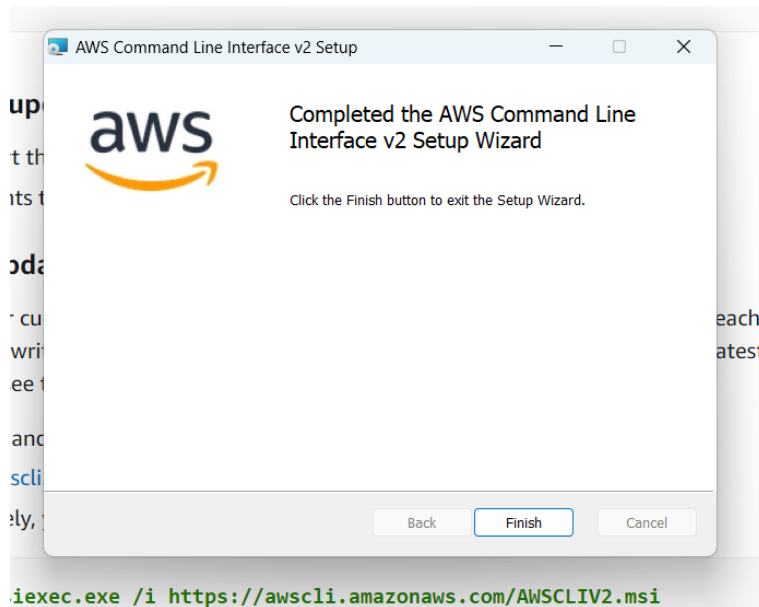
Main Screen



MFA assigned

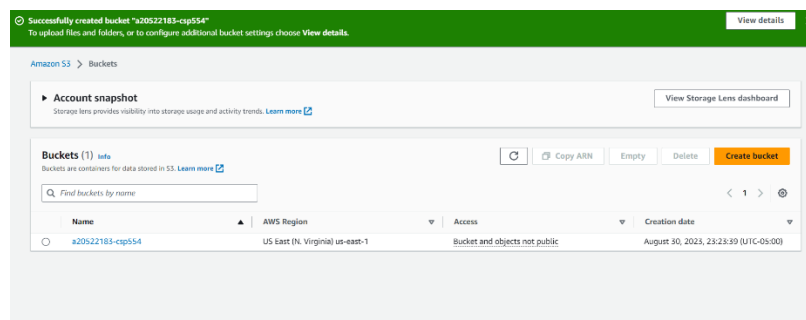


AWS CLI Setup Successful

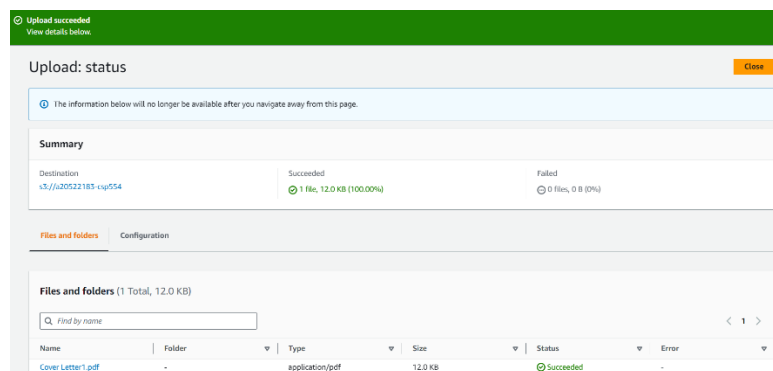


AWS S3 – Storage Services

1. Created Bucket with “id-csp554”



2. Uploaded a file successfully



3. Deleted Bucket successfully

Successfully deleted objects
View details below.

Close

Delete objects: status

The information below will no longer be available after you navigate away from this page.

Summary

Source s3://a20522183-csp554	Successfully deleted 1 object, 12.0 KB	Failed to delete 0 objects
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Failed to delete

Configuration

Failed to delete (0)

Find objects by name

< 1 >

Name	Folder	Type	Last modified	Size	Error
No objects failed to delete.					