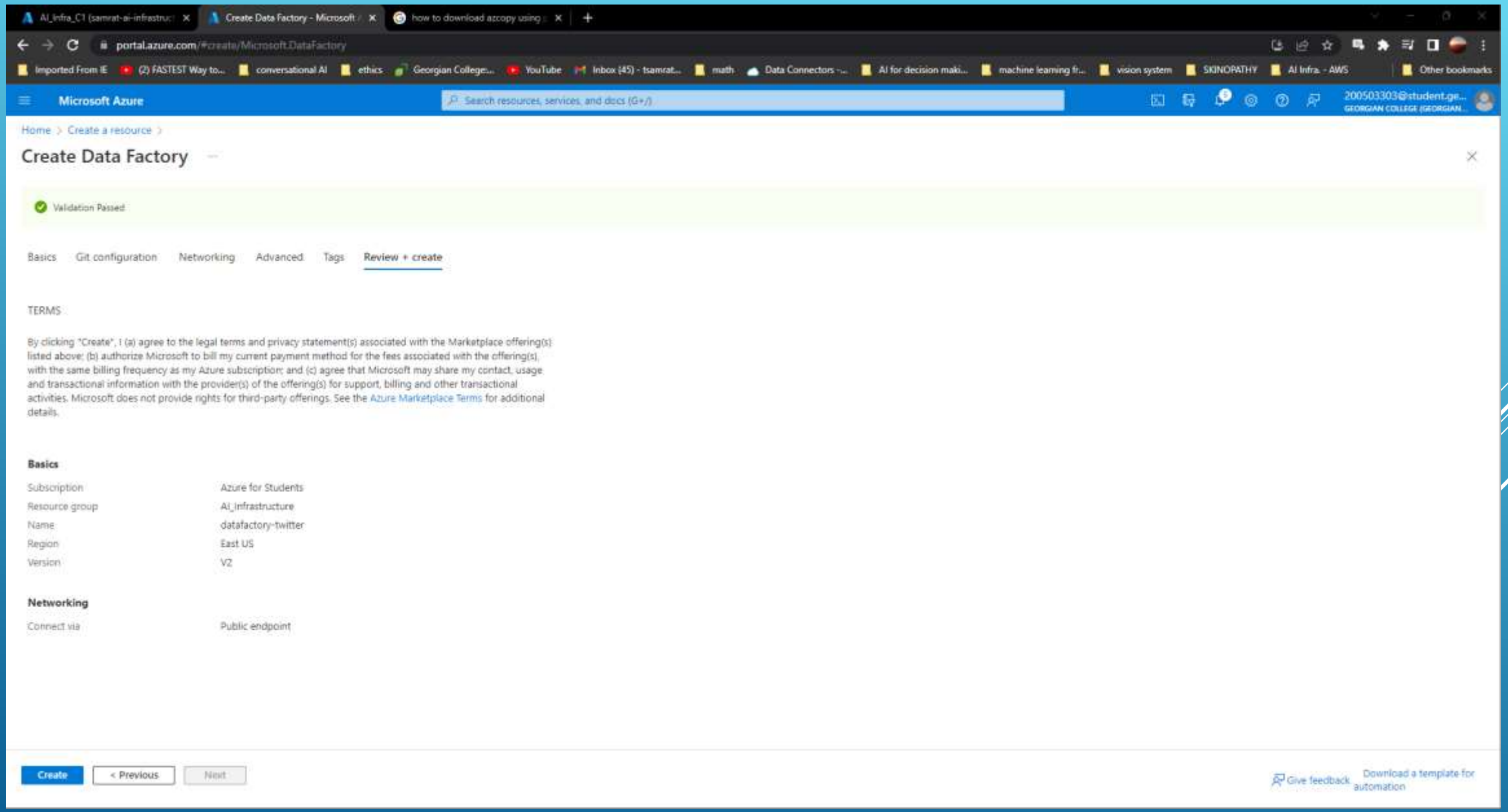
CHALLENGE – 2

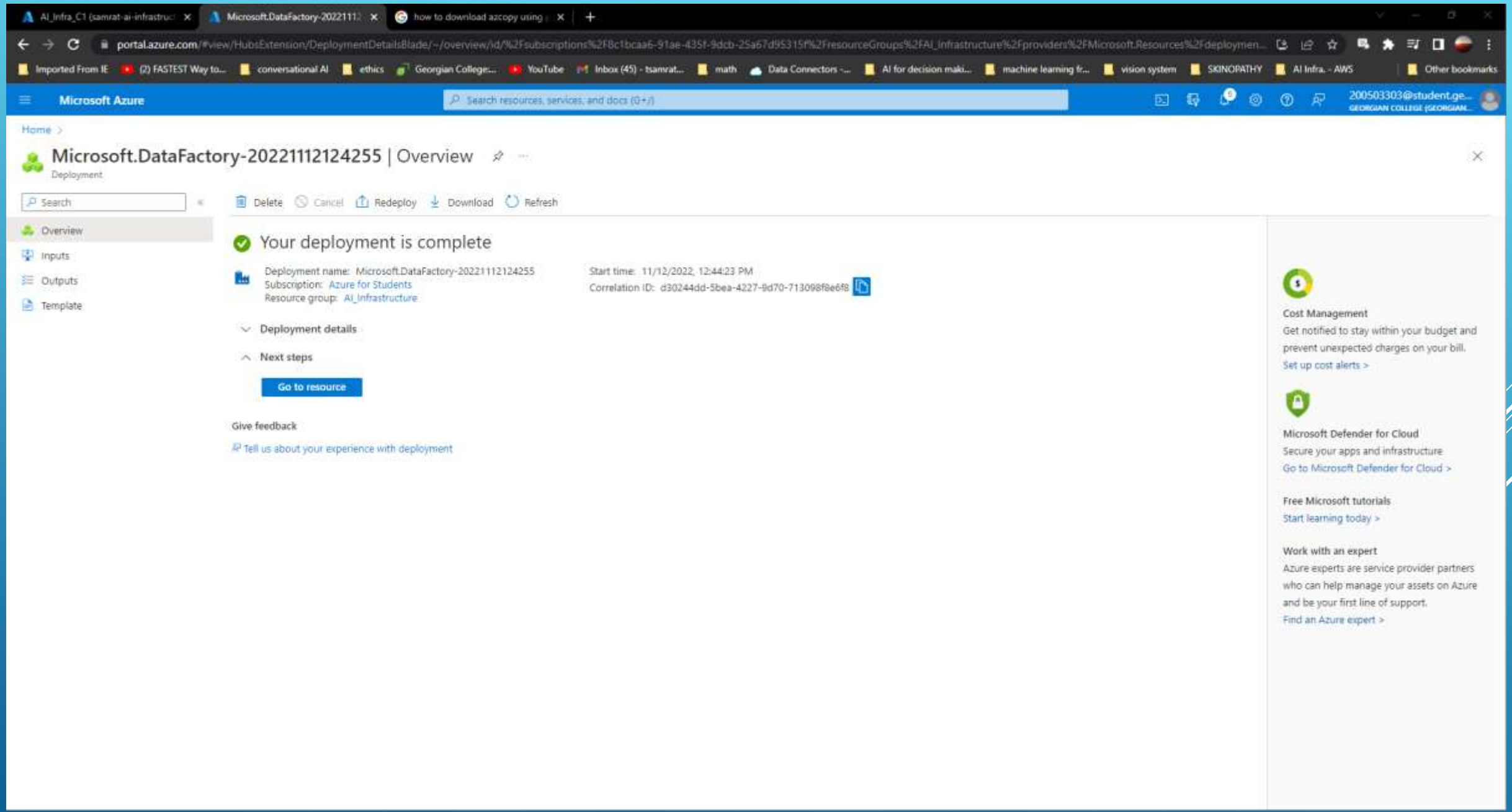
MOVING DATA/AZURE DATA FACTORY

AI INFRASTRUCTURE AND ARCH.

Name: Samrat Thapa -- 200481763

CREATING DATA FACTORY




Microsoft Azure
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Home
Microsoft.DataFactory-20221112124255 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: Microsoft.DataFactory-20221112124255
Subscription: Azure for Students
Resource group: AI_Infrastructure
Start time: 11/12/2022, 12:44:23 PM
Correlation ID: d30244dd-5bea-4227-9d70-713098f8e6f8
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Cost Management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
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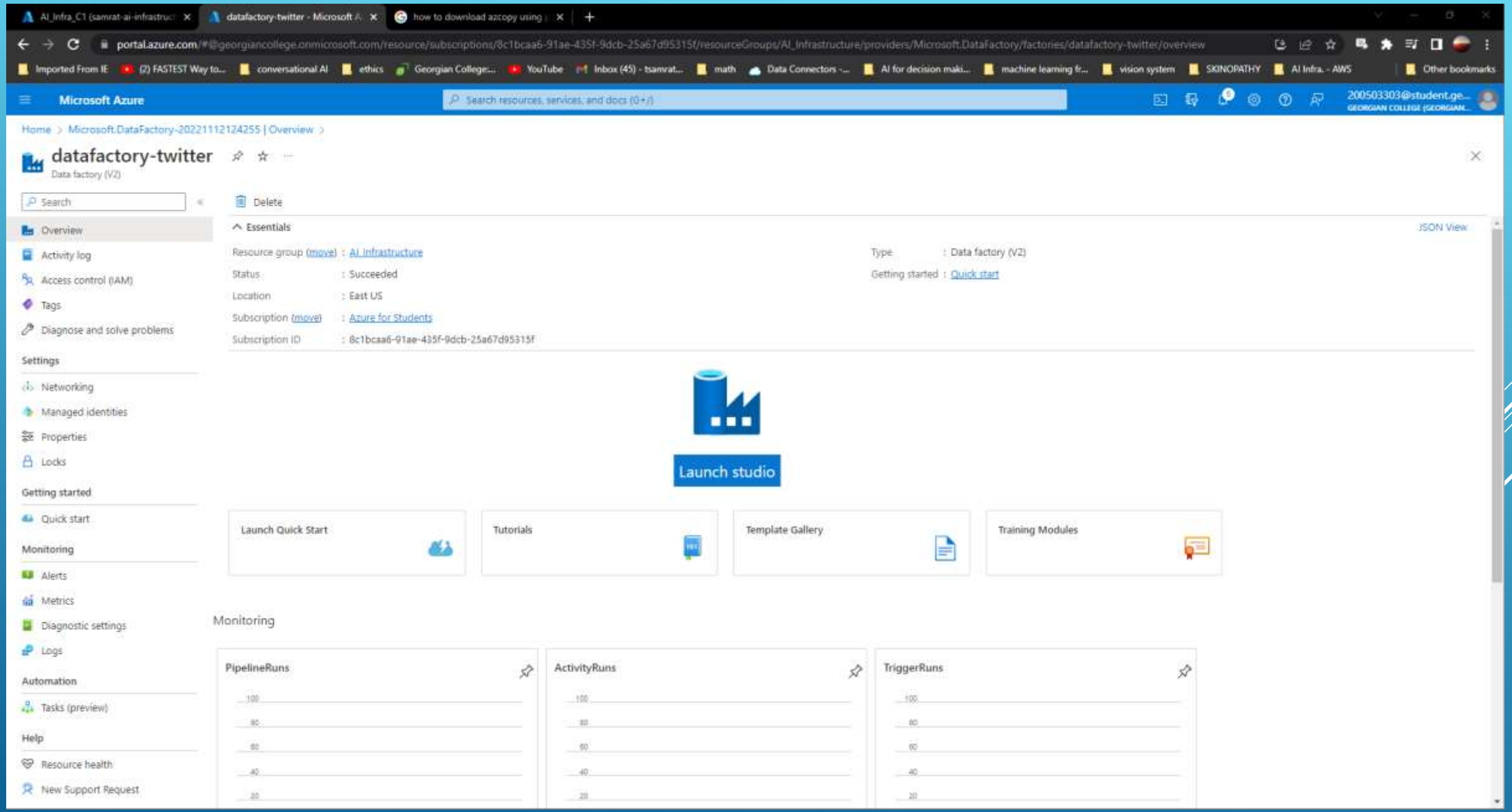
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portal.azure.com/#@georgiancollege.onmicrosoft.com/resource/subscriptions/8c1bcaa6-91ae-435f-9dcb-25a67d95315f/resourceGroups/AI_Infrastructure/providers/Microsoft.DataFactory/factories/datafactory-twitter/overview
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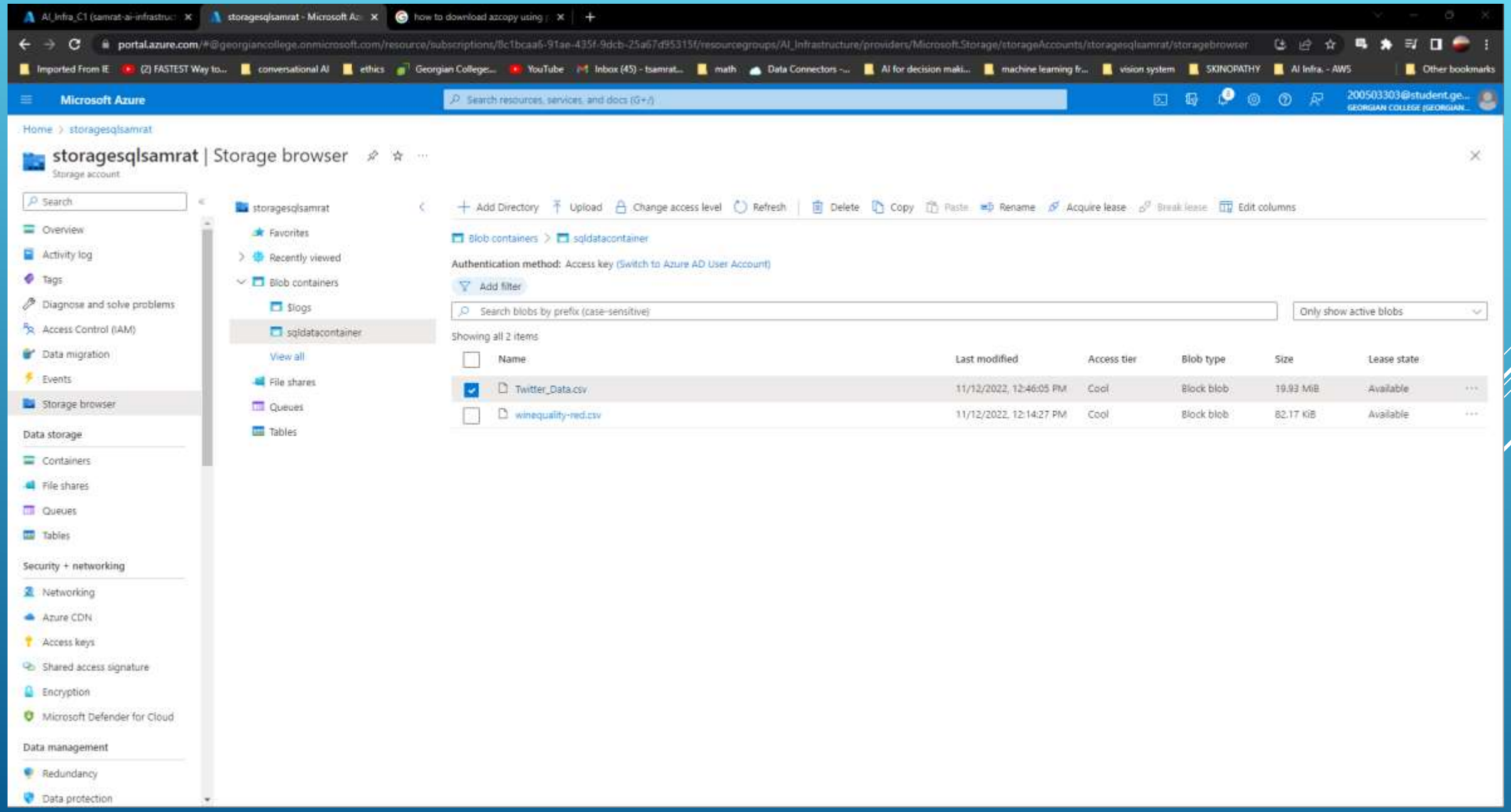
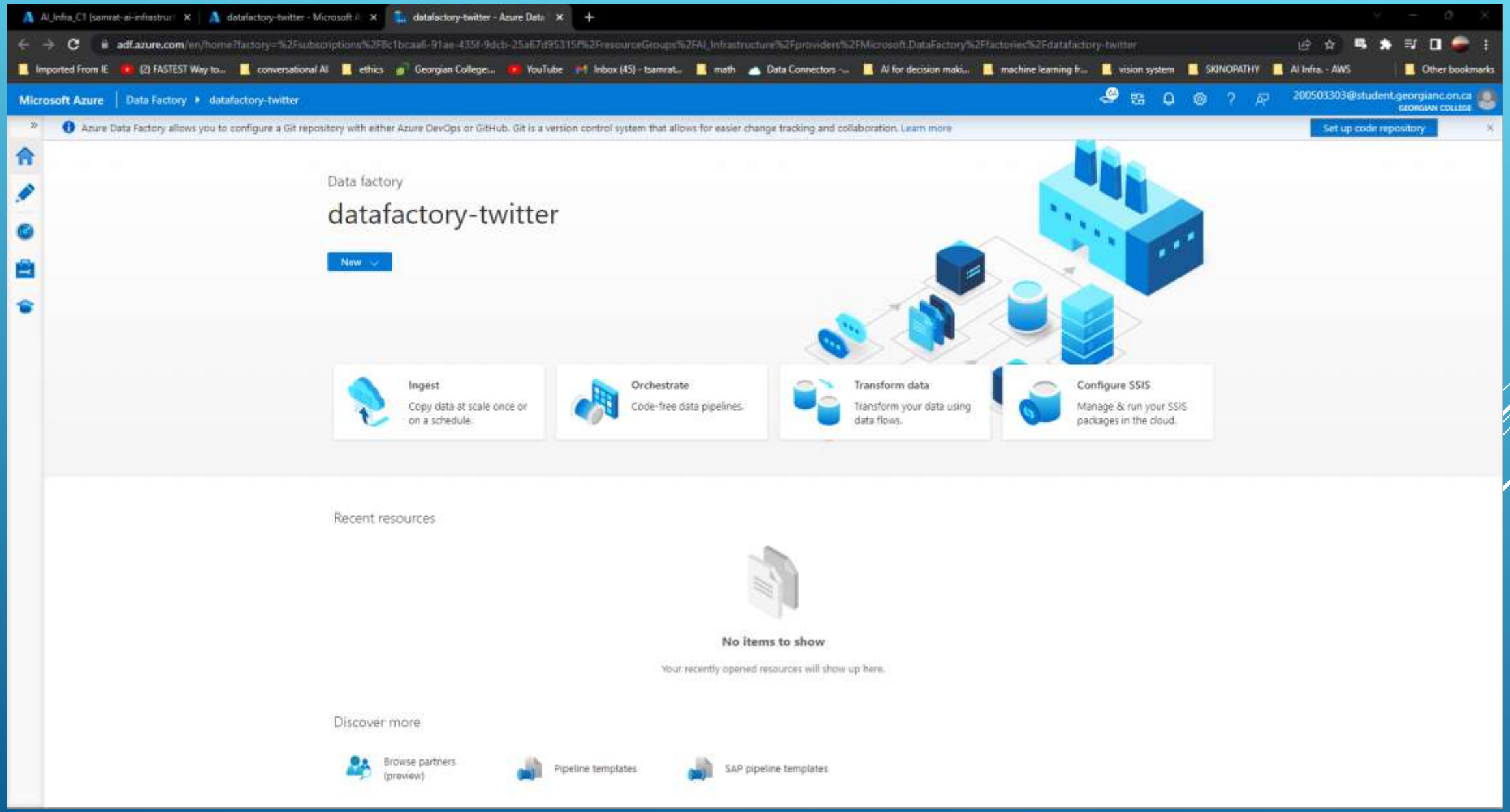
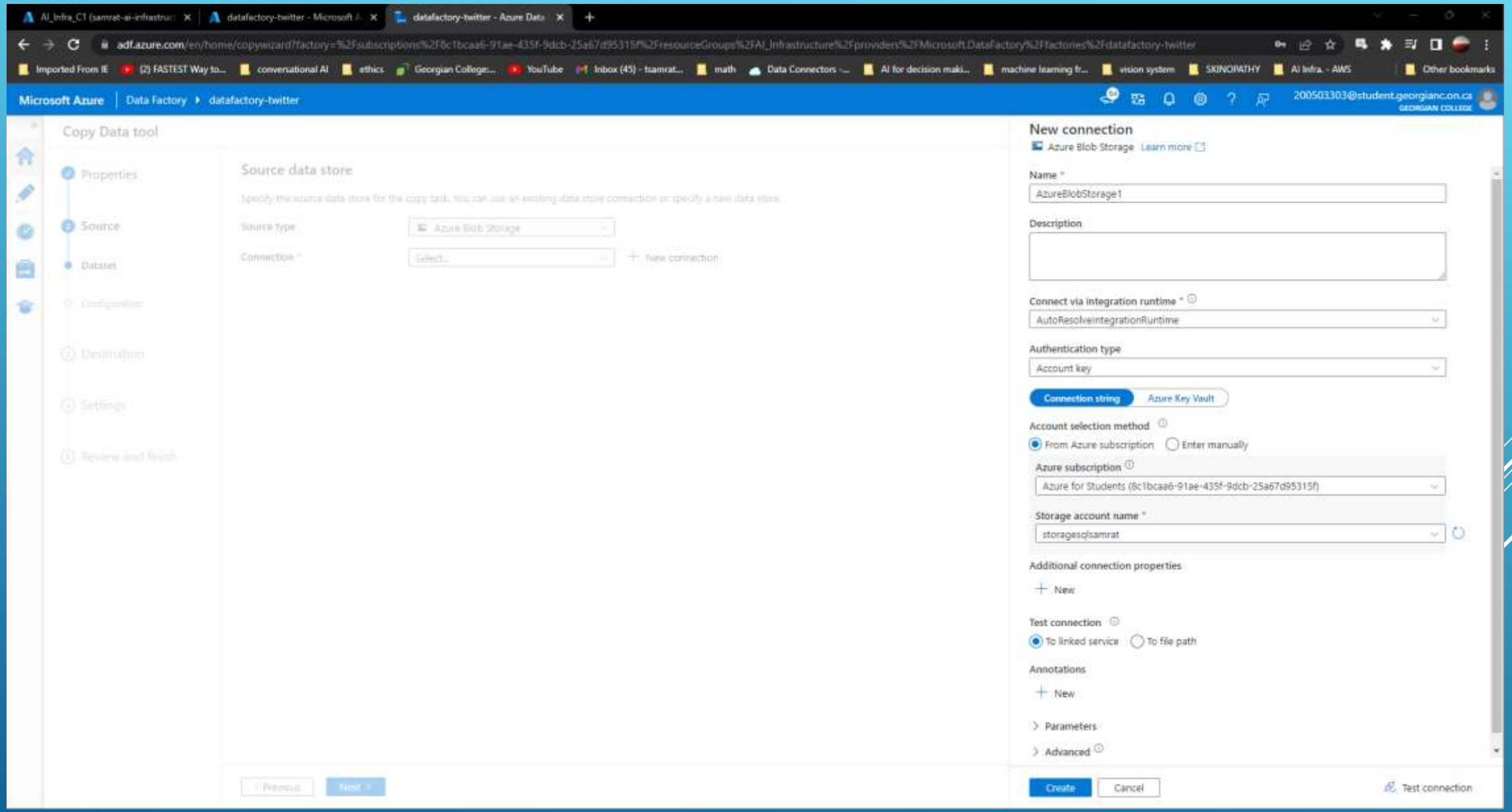
Home > Microsoft.DataFactory-20221112124255 | Overview >
datafactory-twitter
Data factory (V2)
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Managed identities
Properties
Locks
Getting started
Quick start
Monitoring
Alerts
Metrics
Diagnostic settings
Logs
Automation
Tasks (preview)
Help
Resource health
New Support Request
Delete
Essentials
JSON View
Resource group (move) : AI_Infrastructure
Status : Succeeded
Location : East US
Subscription (move) : Azure for Students
Subscription ID : 8c1bcaa6-91ae-435f-9dcb-25a67d95315f
Type : Data factory (V2)
Getting started : Quick start
Launch studio
Launch Quick Start
Tutorials
Template Gallery
Training Modules
Monitoring
PipelineRuns
ActivityRuns
TriggerRuns
100
80
60
40
20

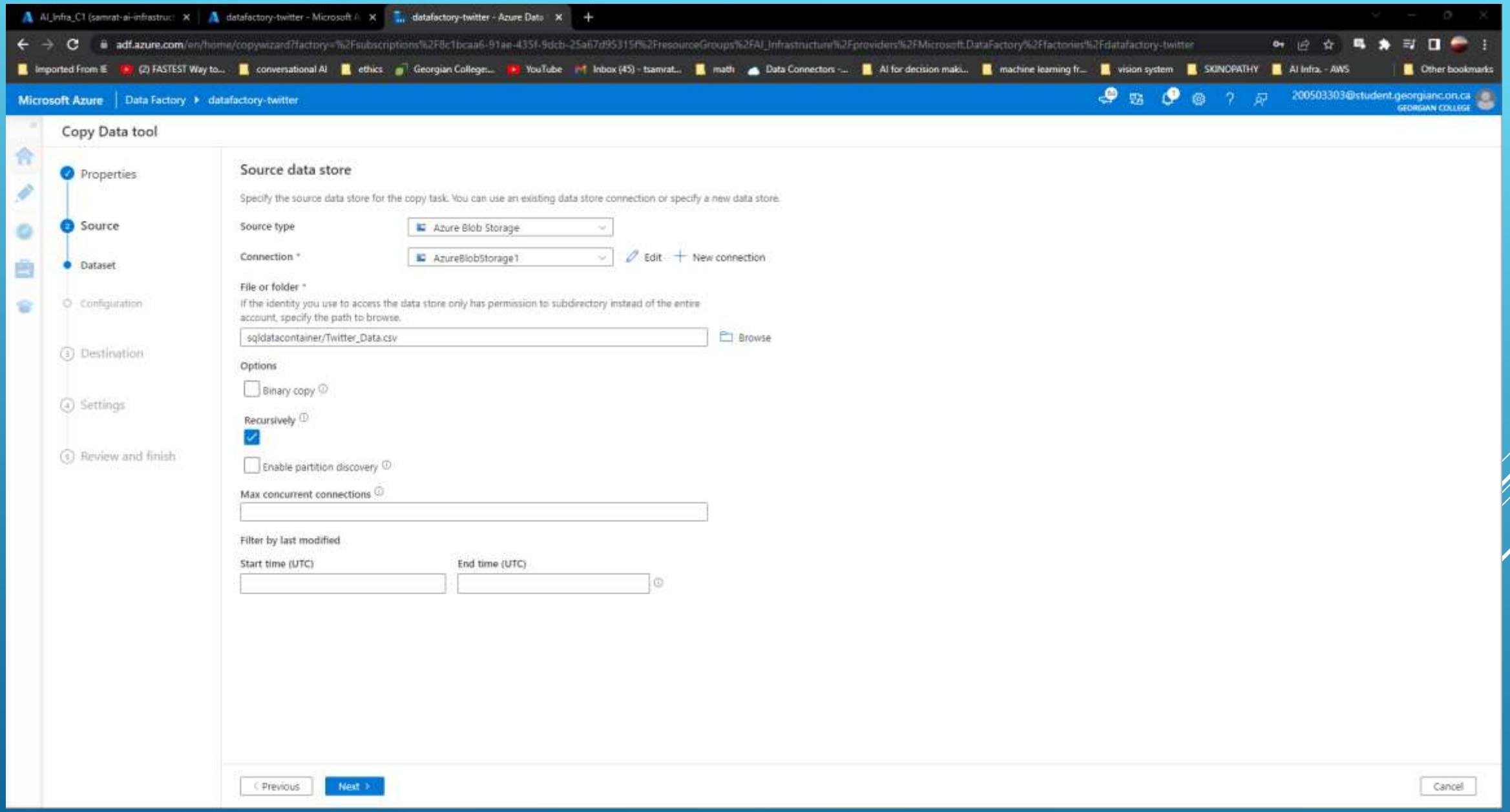
UPLOADING TWITTER DATA



DATA FACTORY PORTAL




Microsoft Azure
Data Factory
datafactory-twitter
Copy Data tool
Properties
Source data store
Source
Dataset
Source type
Azure Blob Storage
Connection *
New connection
New connection
Azure Blob Storage
Learn more
Name *
AzureBlobStorage1
Description
Connect via integration runtime *
AutoResolveIntegrationRuntime
Authentication type
Account key
Connection string
Azure Key Vault
Account selection method
From Azure subscription
Enter manually
Azure subscription
Azure for Students (8c1bcaa6-91ae-435f-9dcb-25a67d95315f)
Storage account name *
storagescjsamrat
Additional connection properties
New
Test connection
To linked service
To file path
Annotations
New
Parameters
Advanced
Create
Cancel
Test connection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datafactory-twitter - Microsoft A
datafactory-twitter - Azure Data
adf.azure.com/en/home/copywizard?factory=%2Fsubscriptions%2F8c1bcaa6-91ae-435f-9dcb-25a67d95315f%2FresourceGroups%2FAI_Infrastructure%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fdatafactory-twitter
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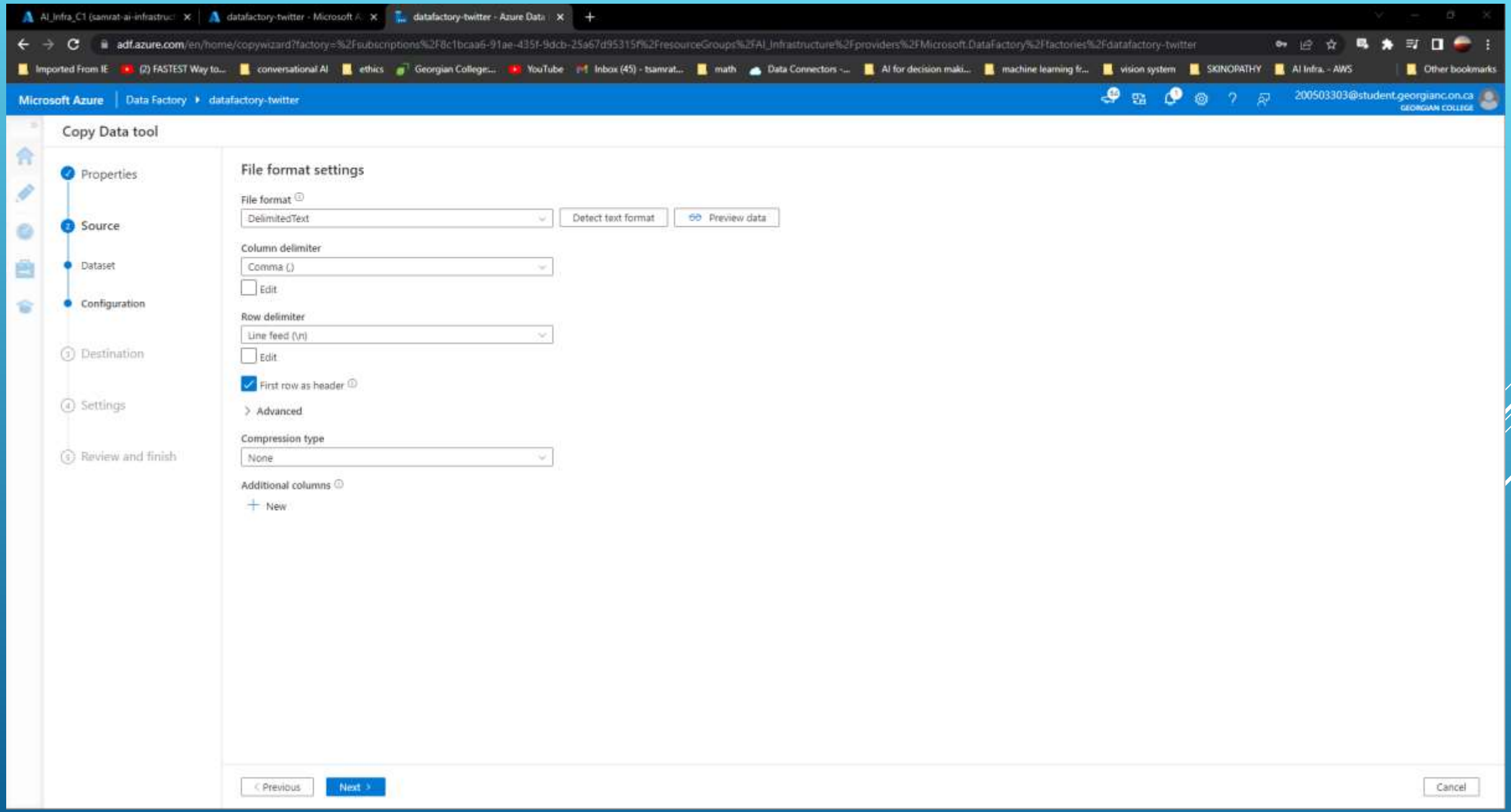
Copy Data tool
Properties
Source
Dataset
Configuration
Destination
Settings
Review and finish
Source data store
Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.
Source type
Azure Blob Storage
Connection *
AzureBlobStorage1
Edit
New connection
File or folder *
If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.
sqldatacontainer/Twitter_Data.csv
Browse
Options
Binary copy
Recursively
Enable partition discovery
Max concurrent connections
Filter by last modified
Start time (UTC)
End time (UTC)
Previous
Next
Cancel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datafactory-twitter - Microsoft A
datafactory-twitter - Azure Data
adf.azure.com/en/home/copywizard?factory=%2Fsubscriptions%2F8c1bcaa6-91ae-435f-9dcb-25a67d95315f%2FresourceGroups%2FAI_Infrastructure%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fdatafactory-twitter
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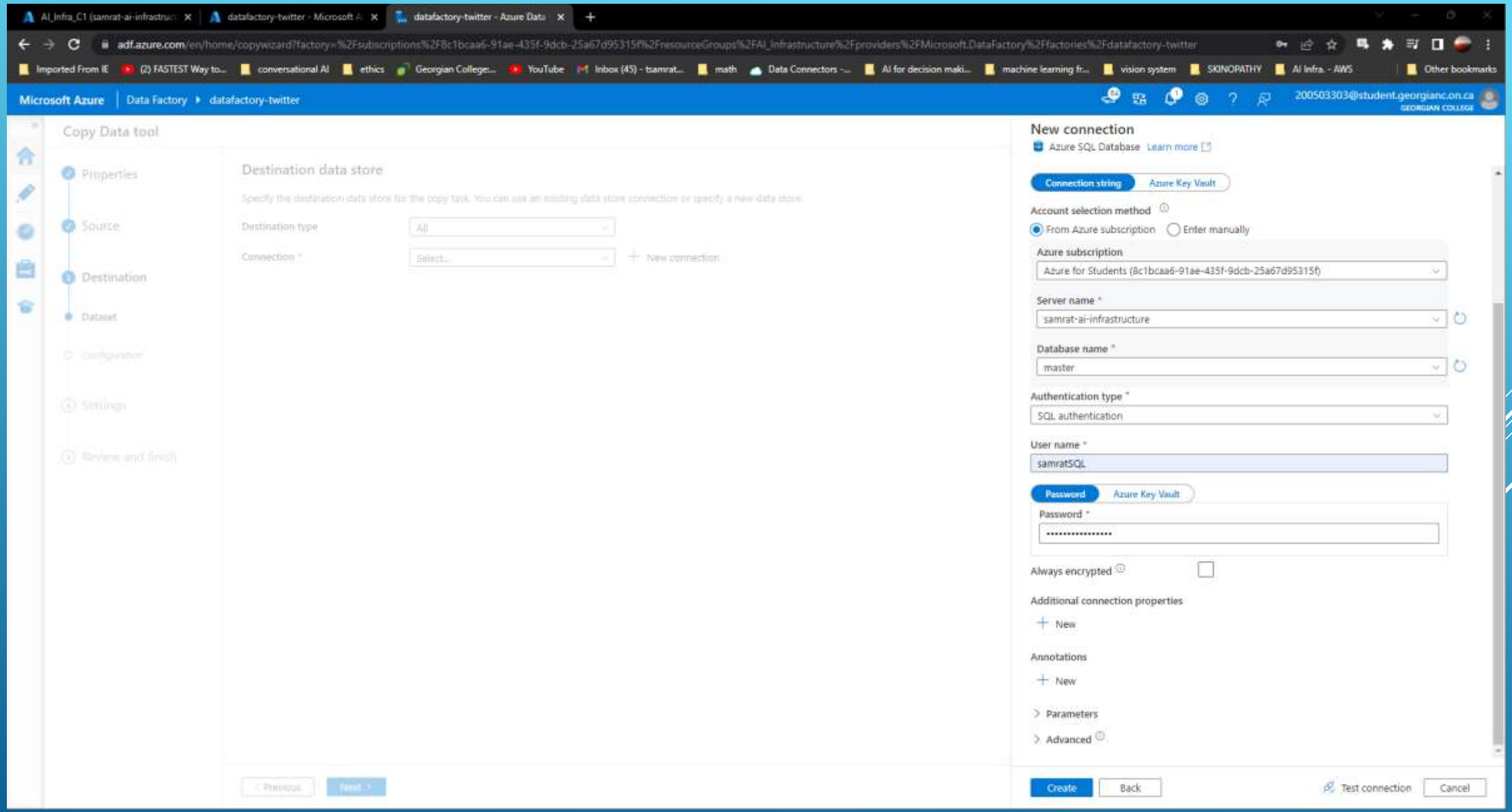
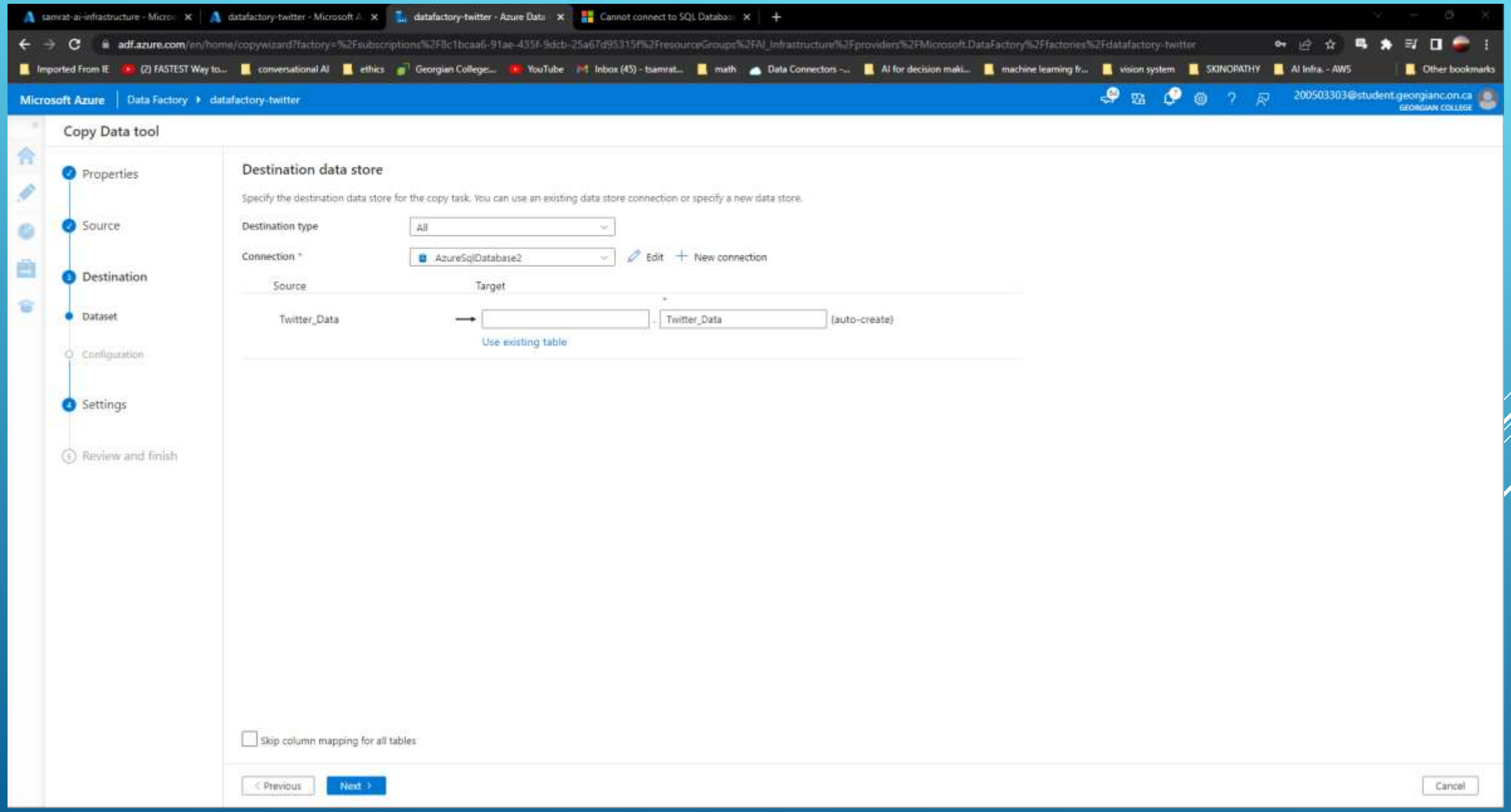
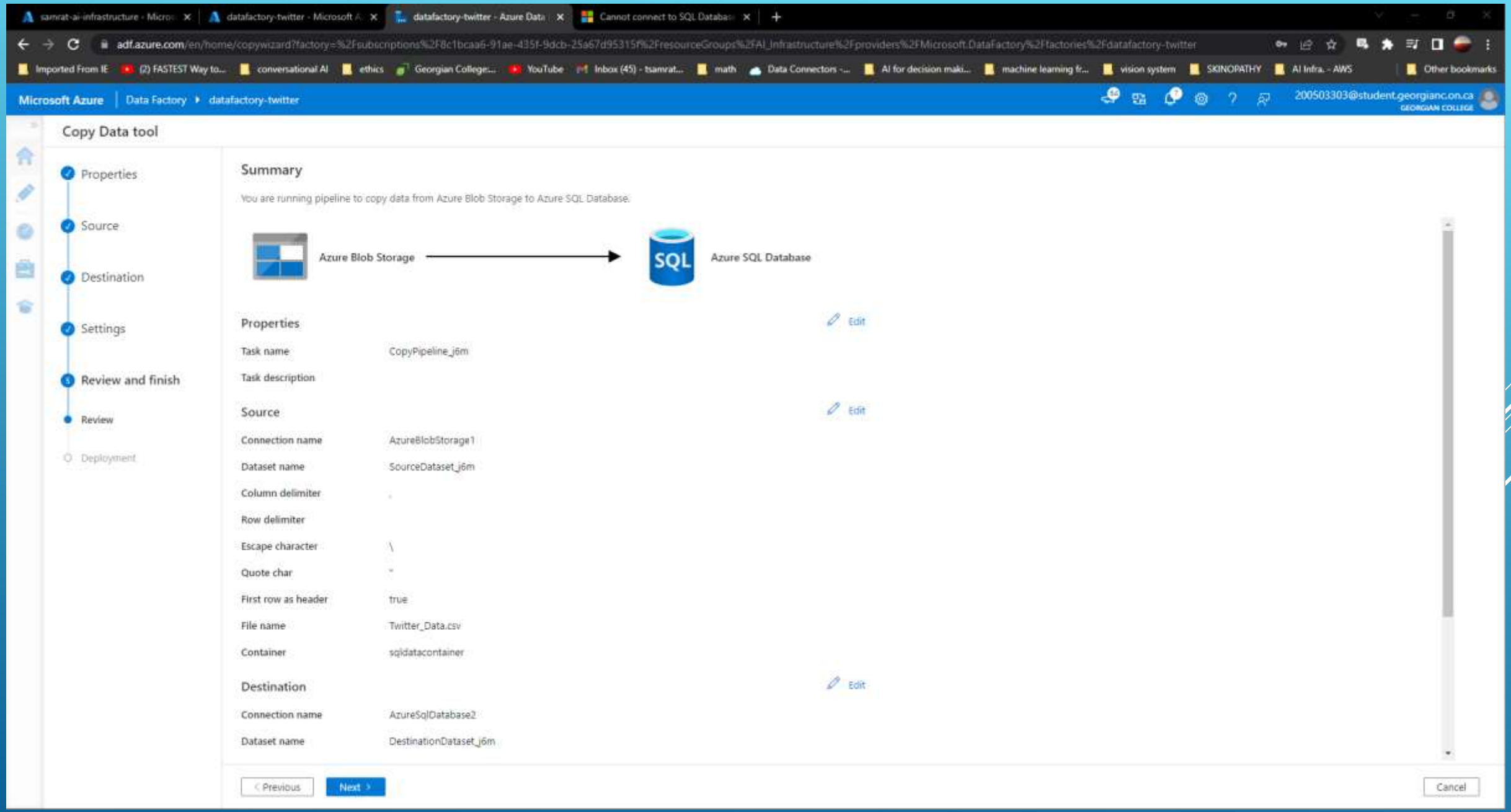
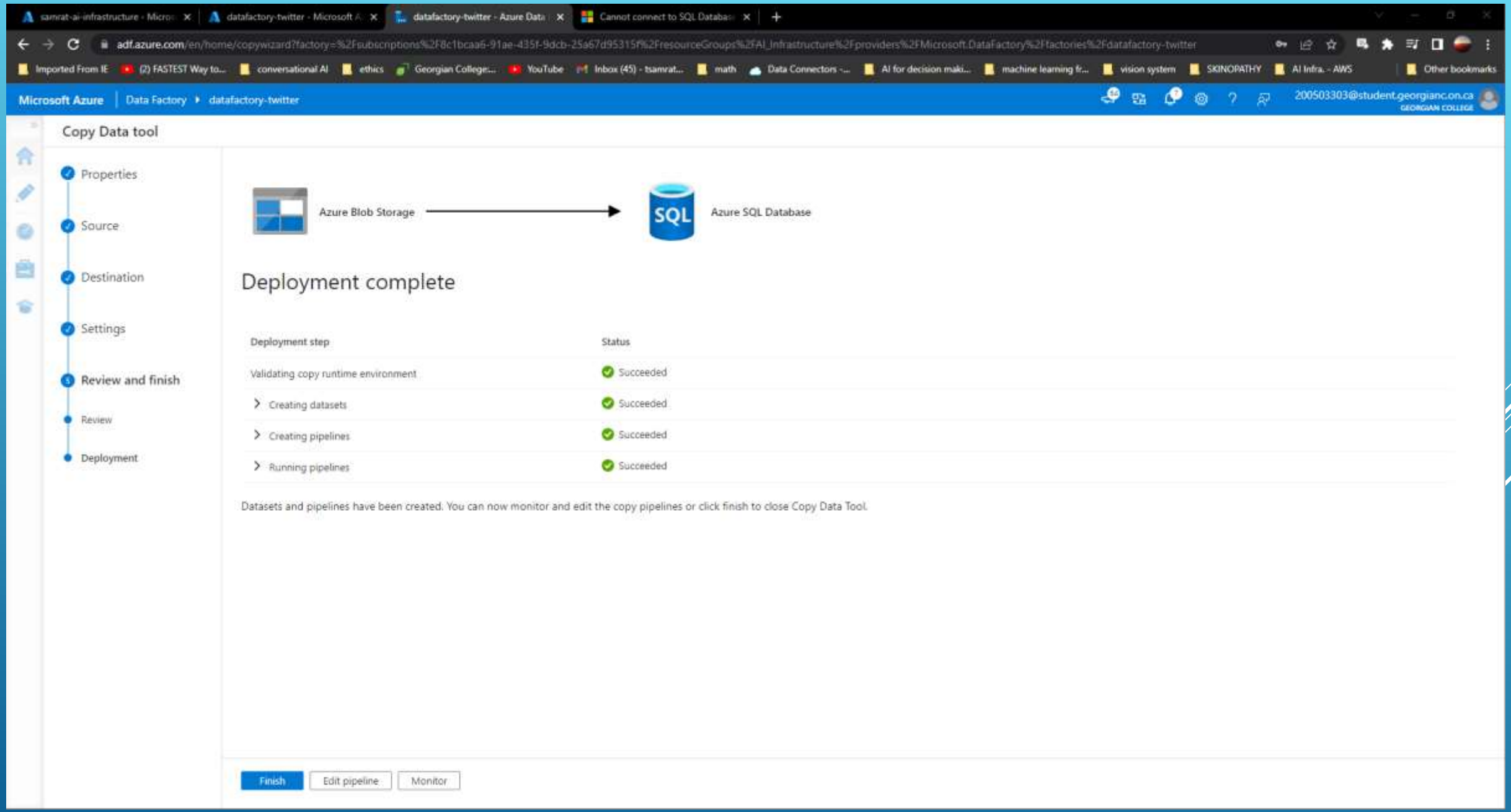
Copy Data tool
Properties
Source
Dataset
Configuration
Destination
Settings
Review and finish
File format settings
File format
DelimitedText
Detect text format
Preview data
Column delimiter
Comma (,)
Edit
Row delimiter
Line feed (\n)
Edit
First row as header
Advanced
Compression type
None
Additional columns
New
Previous
Next
Cancel

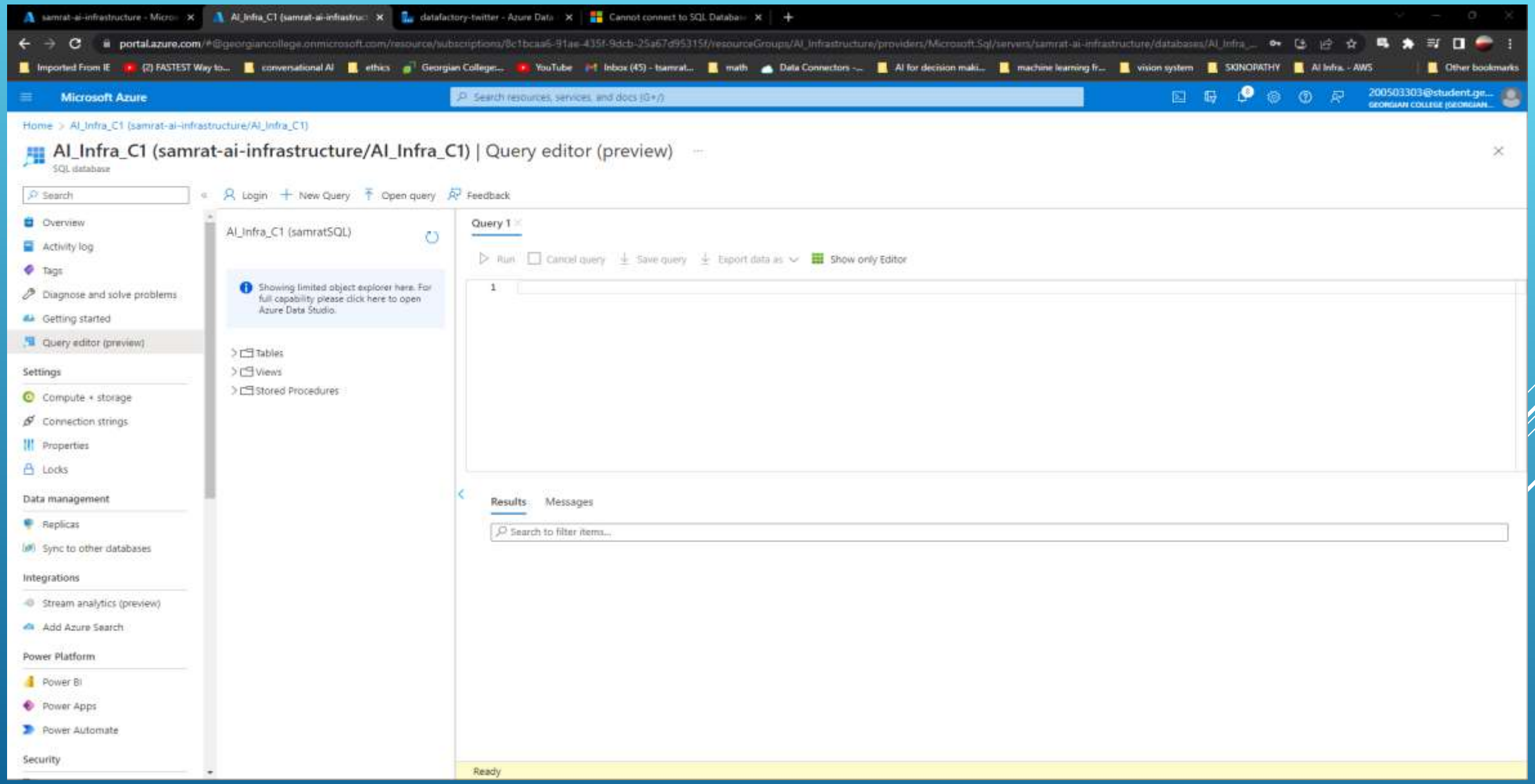

Microsoft Azure
Data Factory
datafactory-twitter
Copy Data tool
Properties
Source
Destination
Dataset
Settings
Review and finish
Destination data store
Destination type
Connection
New connection
New connection
Azure SQL Database
Learn more
Connection string
Azure Key Vault
Account selection method
From Azure subscription
Enter manually
Azure subscription
Azure for Students (8c1bcaa6-91ae-435f-9dcb-25a67d95315f)
Server name
samrat-ai-infrastructure
Database name
master
Authentication type
SQL authentication
User name
samratSQL
Password
Azure Key Vault
Password
Always encrypted
Additional connection properties
New
Annotations
New
Parameters
Advanced
Create
Back
Test connection
Cancel

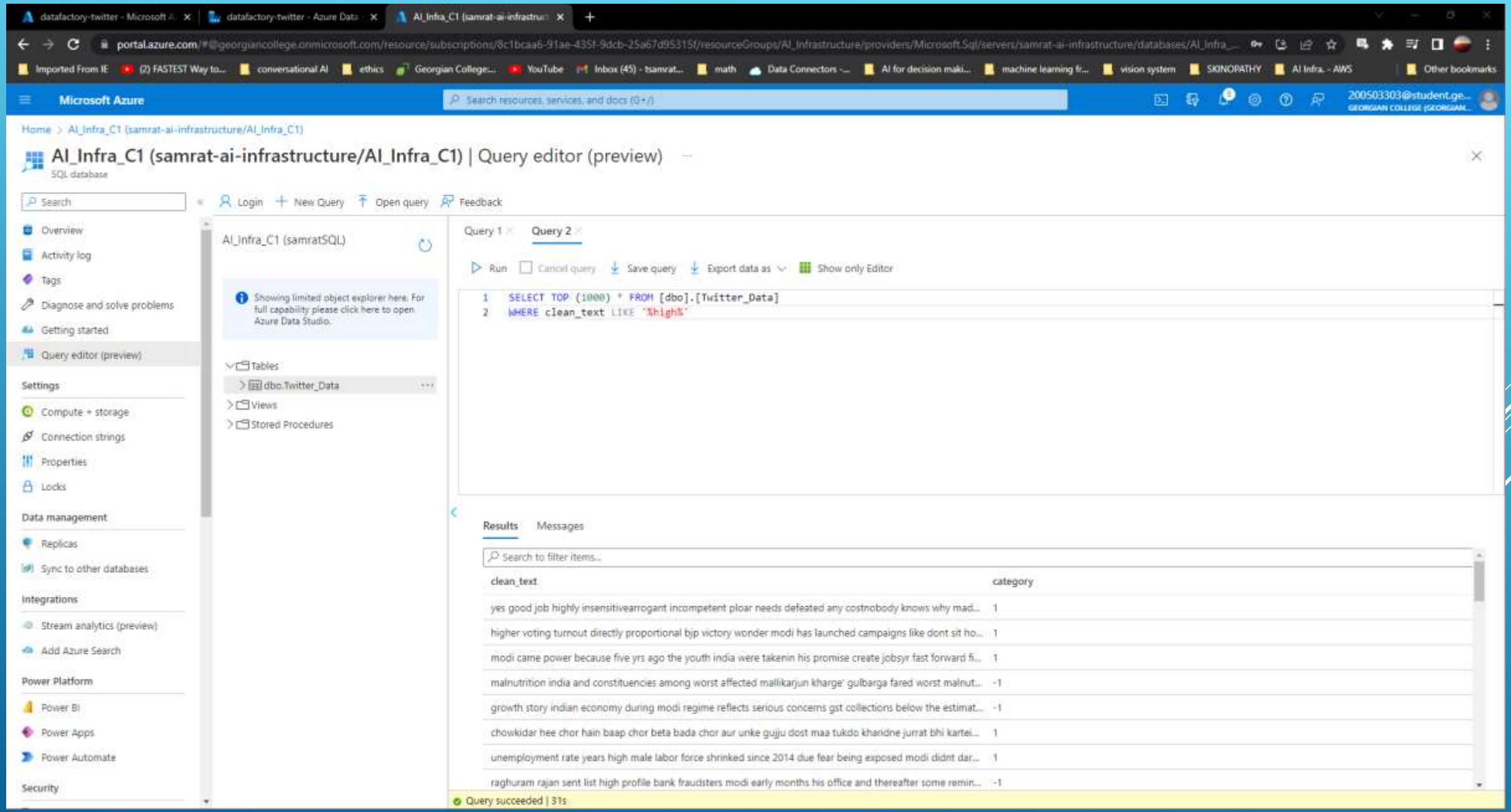

Microsoft Azure
Data Factory
datafactory-twitter
Copy Data tool
Properties
Source
Destination
Dataset
Configuration
Settings
Review and finish
Destination data store
Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.
Destination type
All
Connection *
AzureSqlDatabase2
Edit
New connection
Source
Target
Twitter_Data
Twitter_Data
(auto-create)
Use existing table
Skip column mapping for all tables
Previous
Next
Cancel


Microsoft Azure
Data Factory
datafactory-twitter
Copy Data tool
Properties
Source
Destination
Settings
Review and finish
Review
Deployment
Summary
You are running pipeline to copy data from Azure Blob Storage to Azure SQL Database.
Azure Blob Storage
Azure SQL Database
Properties
Edit
Task name
CopyPipeline_j6m
Task description
Source
Edit
Connection name
AzureBlobStorage1
Dataset name
SourceDataset_j6m
Column delimiter
Row delimiter
Escape character
\
Quote char
"
First row as header
true
File name
Twitter_Data.csv
Container
sqldatacontainer
Destination
Edit
Connection name
AzureSqlDatabase2
Dataset name
DestinationDataset_j6m
Previous
Next
Cancel


Microsoft Azure
Data Factory
datafactory-twitter
Copy Data tool
Properties
Source
Destination
Settings
Review and finish
Review
Deployment
Azure Blob Storage
Azure SQL Database
Deployment complete
Deployment step
Status
Validating copy runtime environment
Succeeded
Creating datasets
Succeeded
Creating pipelines
Succeeded
Running pipelines
Succeeded
Datasets and pipelines have been created. You can now monitor and edit the copy pipelines or click finish to close Copy Data Tool.
Finish
Edit pipeline
Monitor

QUERY EDITOR

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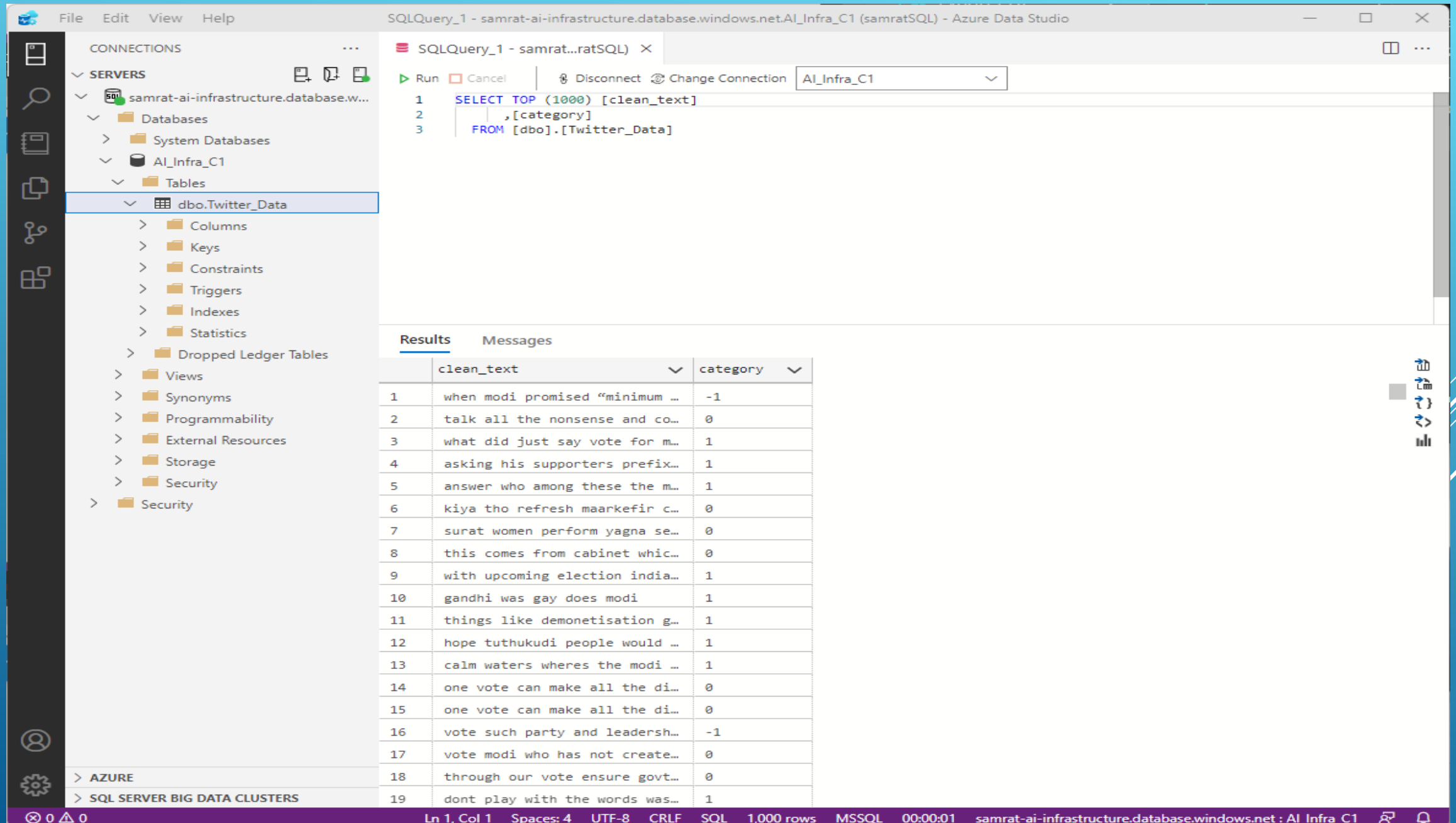
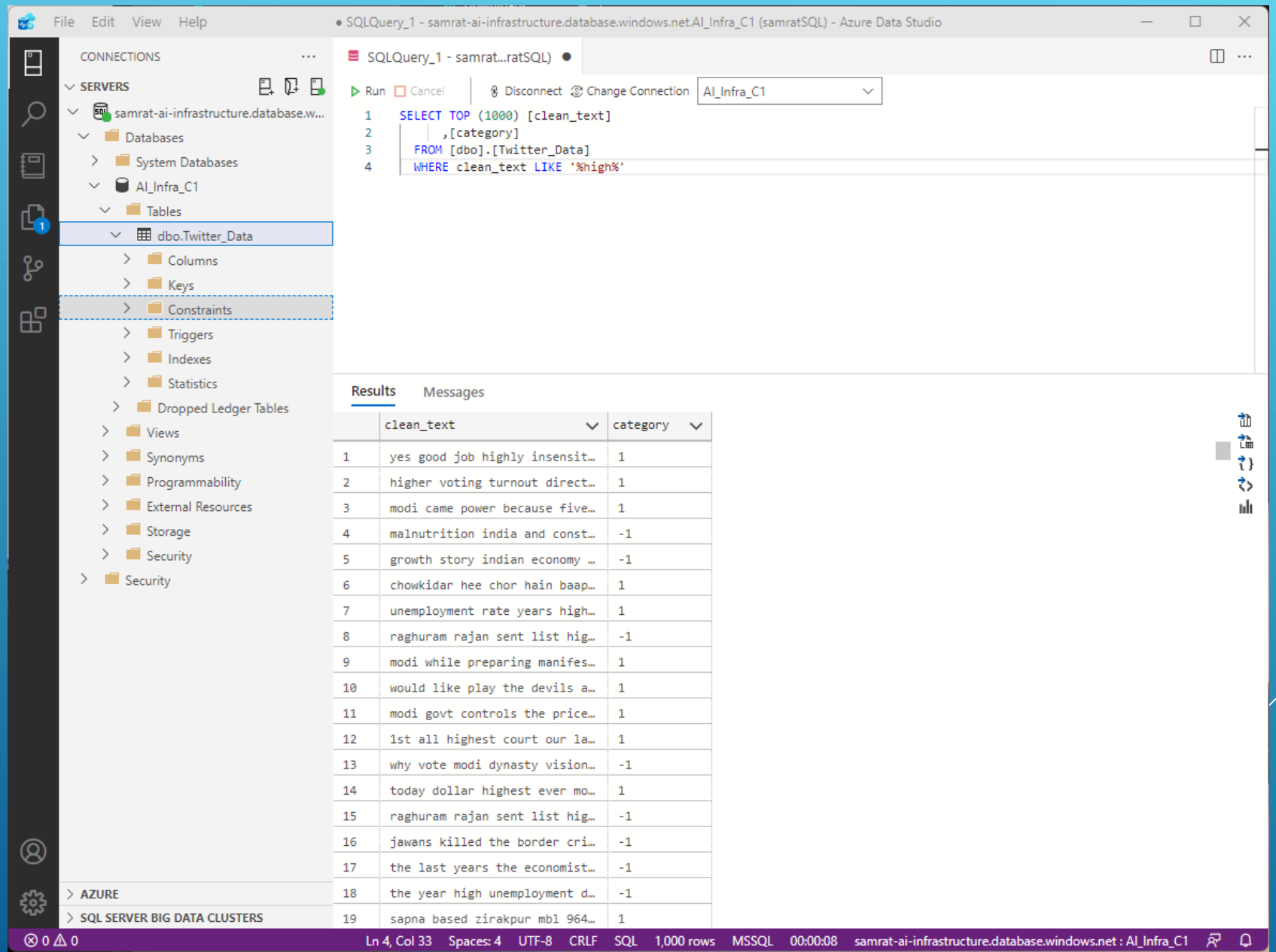
Search resources, services, and docs (G+/)
Home > AI_Infra_C1 (samrat-ai-infrastructure/AI_Infra_C1)
AI_Infra_C1 (samrat-ai-infrastructure/AI_Infra_C1) | Query editor (preview)
SQL database
Search
Login
New Query
Open query
Feedback
Overview
Activity log
Tags
Diagnose and solve problems
Getting started
Query editor (preview)
Settings
Compute + storage
Connection strings
Properties
Locks
Data management
Replicas
Sync to other databases
Integrations
Stream analytics (preview)
Add Azure Search
Power Platform
Power BI
Power Apps
Power Automate
Security
AI_Infra_C1 (samratSQL)
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
dbo.Twitter_Data
Views
Stored Procedures
Query 1
Query 2
Run
Cancel query
Save query
Export data as
Show only Editor
1 SELECT TOP (1000) * FROM [dbo].[Twitter_Data]
2 WHERE clean_text LIKE '%high%'
Results
Messages
Search to filter items...
clean_text
category
yes good job highly insensitivearrogant incompetent ploar needs defeated any costnobody knows why mad... 1
higher voting turnout directly proportional bjp victory wonder modi has launched campaigns like dont sit ho... 1
modi came power because five yrs ago the youth india were takenin his promise create jobsyr fast forward fi... 1
malnutrition india and constituencies among worst affected mallikarjun kharge' gulbarga fared worst malnut... -1
growth story indian economy during modi regime reflects serious concerns gst collections below the estimat... -1
chowkidar hee chor hain baap chor beta bada chor aur unke gujju dost maa tukdo kharidne jurrat bhi kartei... 1
unemployment rate years high male labor force shrinked since 2014 due fear being exposed modi didnt dar... 1
raghuram rajan sent list high profile bank fraudsters modi early months his office and thereafter some remin... -1
Query succeeded | 31s

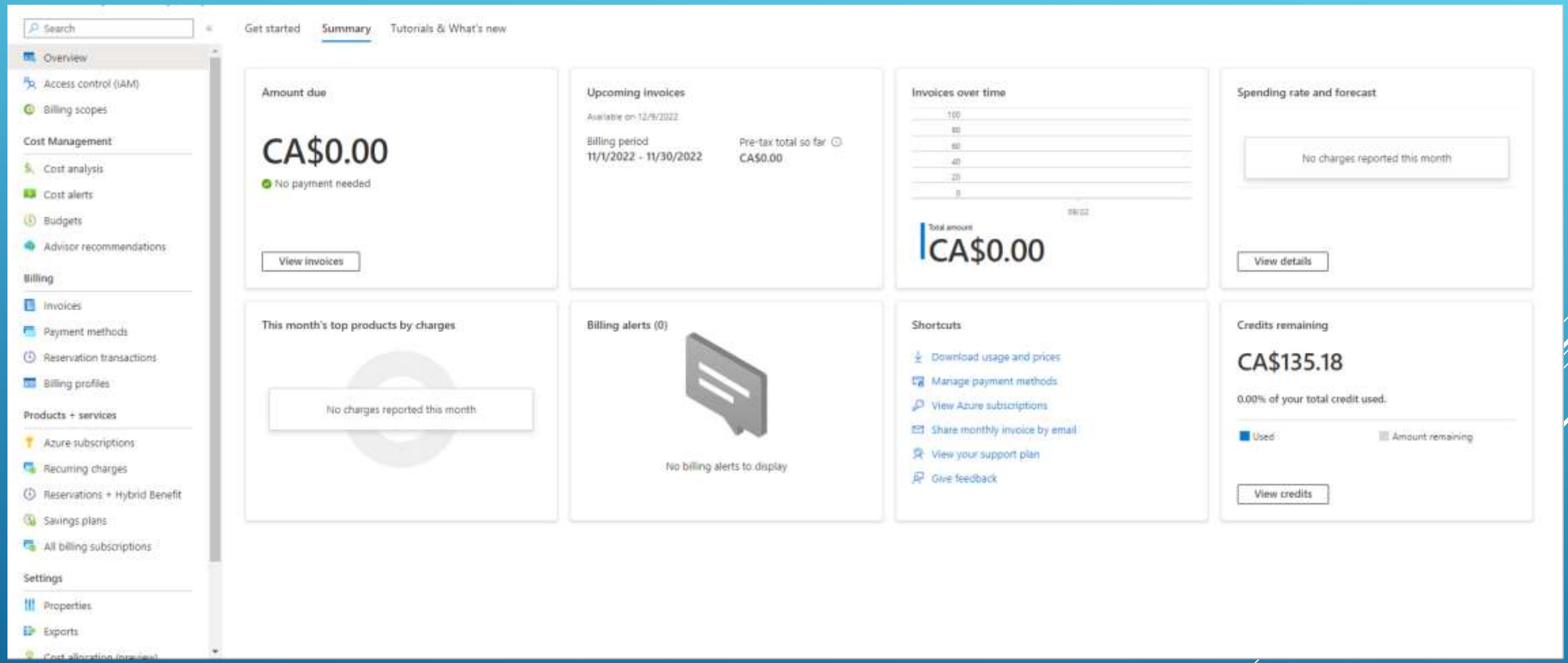
DATA QUERY WITH AZURE DATA STUDIO



WITH WHERE CLAUSE



SUBSCRIPTION CHECK



THANK YOU