FRAUD DETECTION USING AMAZON FRAUD DETECTOR

Certainly! Let's break down the process into more detail:

Create Event Structure:

Begin by accessing Amazon Fraud Detector and creating a new event. This event represents a specific activity or transaction that you want to monitor for fraud.

Define the structure of the event, including details like the name of the event (e.g., "fd_priyanka_demo"), the entity involved (e.g., "sample_customer1"), and the variables associated with the event (e.g., IP address, email address, billing details).

Set Up Data Storage:

Create an S3 bucket in Amazon's Simple Storage Service (S3) to store the data needed for fraud detection.

Choose the appropriate region for your S3 bucket, ensuring it aligns with your geographic location or preferences (e.g., Singapore).

Upload Data:

Once the S3 bucket is set up, upload your data files containing relevant information for fraud detection.

These data files typically include details such as IP addresses, email addresses, billing addresses, and any other variables you specified in the event structure.

Define Variables:

Within Amazon Fraud Detector, select the variables you want to use for fraud detection from your uploaded dataset.

Common variables include IP address, email address, billing details (e.g., postal code), user agent, phone number, and more**.**

Label Data:

Label your data to indicate whether each event is fraudulent or legitimate.

This labeled data will be used to train the machine learning model for fraud detection.

Train Model:

Train a machine learning model using the labeled data to identify patterns associated with fraudulent activity.

The model learns from historical data to make predictions about whether new events are likely to be fraudulent.

Deploy Model:

Once trained, deploy the machine learning model to make it available for fraud detection.

This deployment process may take some time as the model needs to be configured and made operational.

Set Up Rules:

Define rules for detecting fraud based on the output of the machine learning model.

These rules specify conditions under which an event will be flagged as potentially fraudulent (e.g., if the model's score exceeds a certain threshold).

Create Detector:

Combine the machine learning model and rules to create a fraud detector.

Specify the outcomes for different detection scenarios (e.g., high risk, low risk, review required).

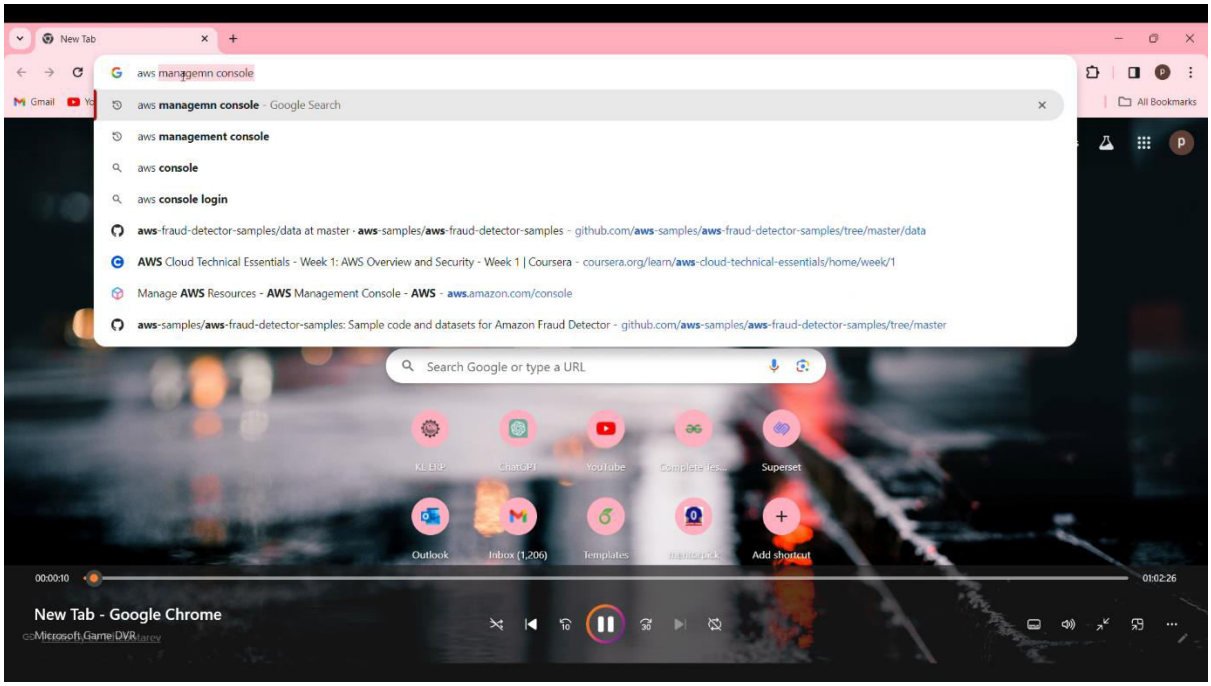
Test and Monitor:

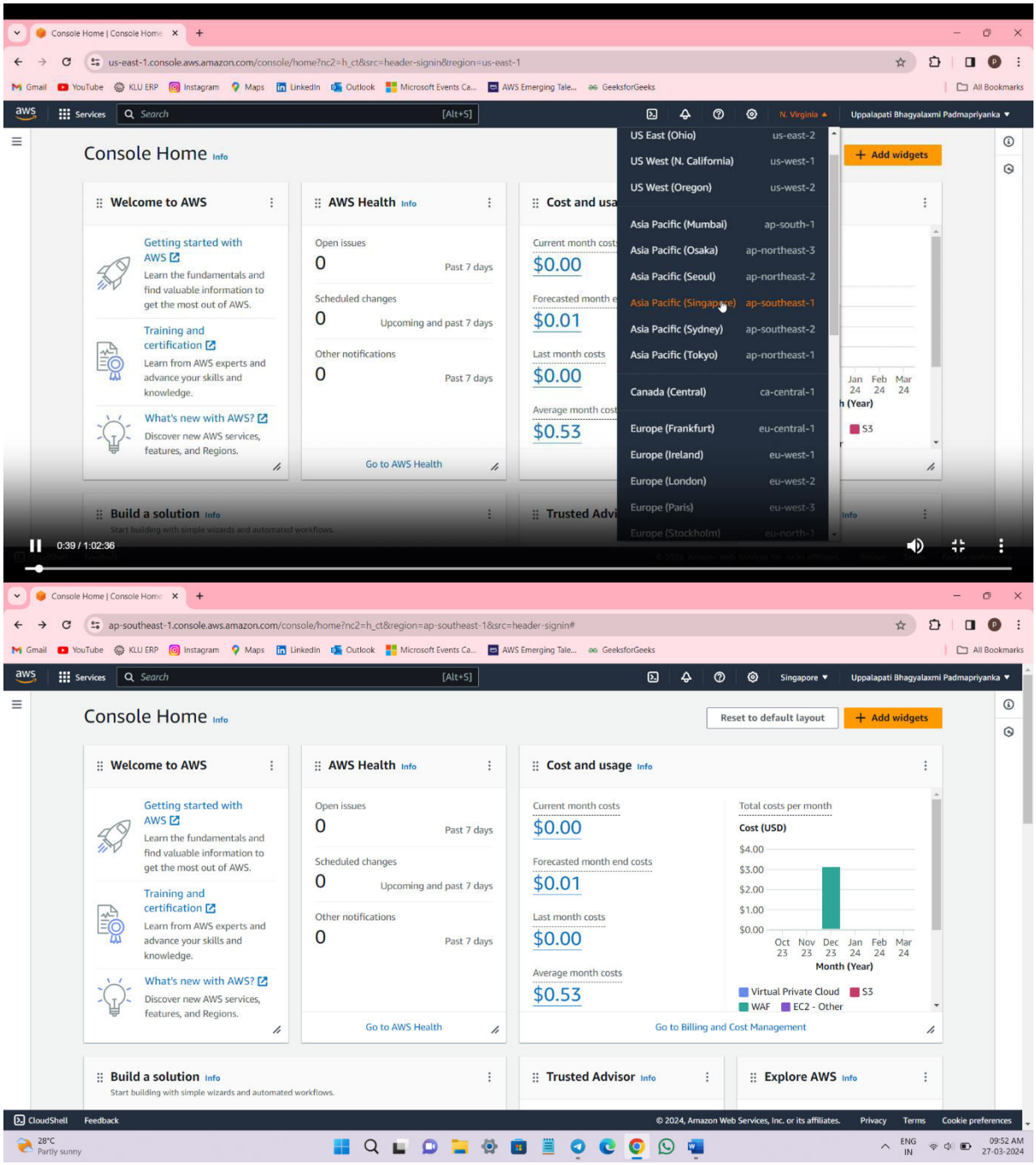
Test the fraud detector using sample events to ensure it accurately identifies fraudulent activity.

Monitor the performance of the fraud detector over time and make adjustments as needed to improve accuracy.

Be mindful of pricing after the free trial period ends, and consider optimizing usage to manage costs effectively.

STEP BY STEP PROCESS:

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Console Home Info
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US West (Oregon) us-west-2
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Asia Pacific (Seoul) ap-northeast-2
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Asia Pacific (Sydney) ap-southeast-2
Asia Pacific (Tokyo) ap-northeast-1
Canada (Central) ca-central-1
Europe (Frankfurt) eu-central-1
Europe (Ireland) eu-west-1
Europe (London) eu-west-2
Europe (Paris) eu-west-3
Europe (Stockholm) eu-north-1
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Training and certification
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What's new with AWS?
Discover new AWS services, features, and Regions.
AWS Health Info
Open issues
0
Past 7 days
Scheduled changes
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Upcoming and past 7 days
Other notifications
0
Past 7 days
Go to AWS Health
Cost and usa
Current month cost
$0.00
Forecasted month e
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Last month costs
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Average month cost
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AWS Health Info
Open issues
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Past 7 days
Scheduled changes
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Upcoming and past 7 days
Other notifications
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Past 7 days
Go to AWS Health
Cost and usage Info
Current month costs
$0.00
Forecasted month end costs
$0.01
Last month costs
$0.00
Average month costs
$0.53
Total costs per month
Cost (USD)
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$3.00
$2.00
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Virtual Private Cloud
S3
WAF
EC2 - Other
Go to Billing and Cost Management
Build a solution Info
Start building with simple wizards and automated workflows.
Trusted Advisor Info
Explore AWS Info
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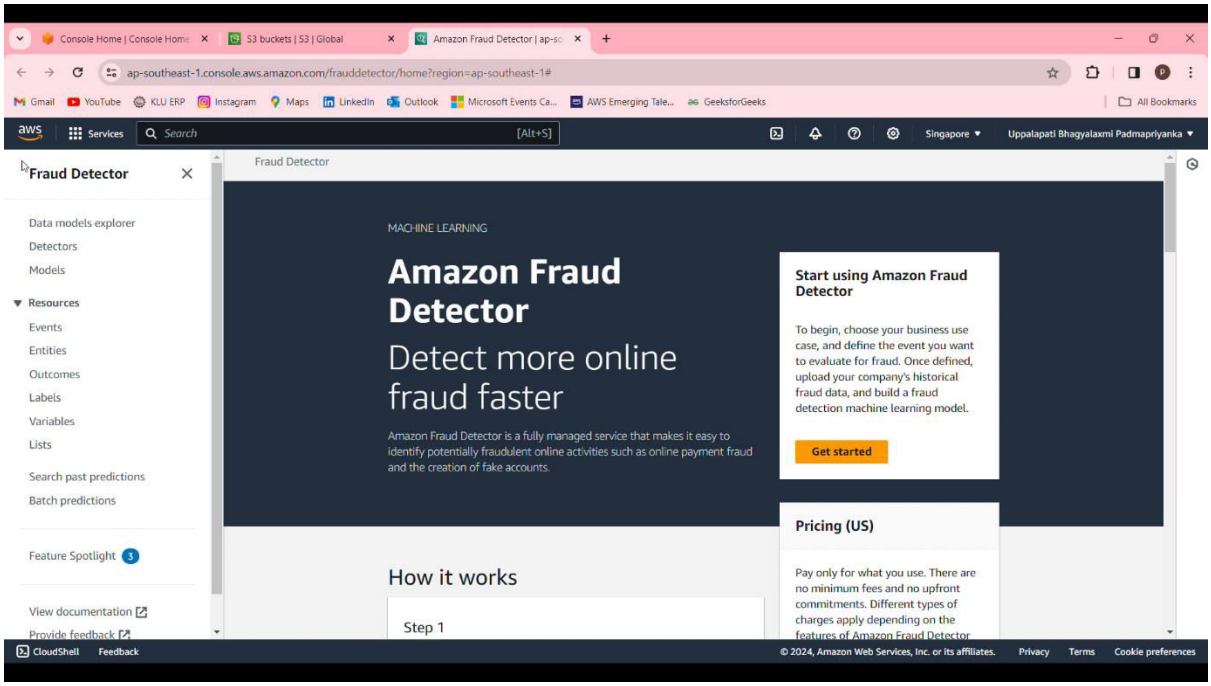
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Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
Fraud Detector
MACHINE LEARNING
Amazon Fraud Detector
Detect more online fraud faster
Amazon Fraud Detector is a fully managed service that makes it easy to identify potentially fraudulent online activities such as online payment fraud and the creation of fake accounts.
Start using Amazon Fraud Detector
To begin, choose your business use case, and define the event you want to evaluate for fraud. Once defined, upload your company's historical fraud data, and build a fraud detection machine learning model.
Get started
Pricing (US)
Pay only for what you use. There are no minimum fees and no upfront commitments. Different types of charges apply depending on the
How it works
Step 1
CloudShell
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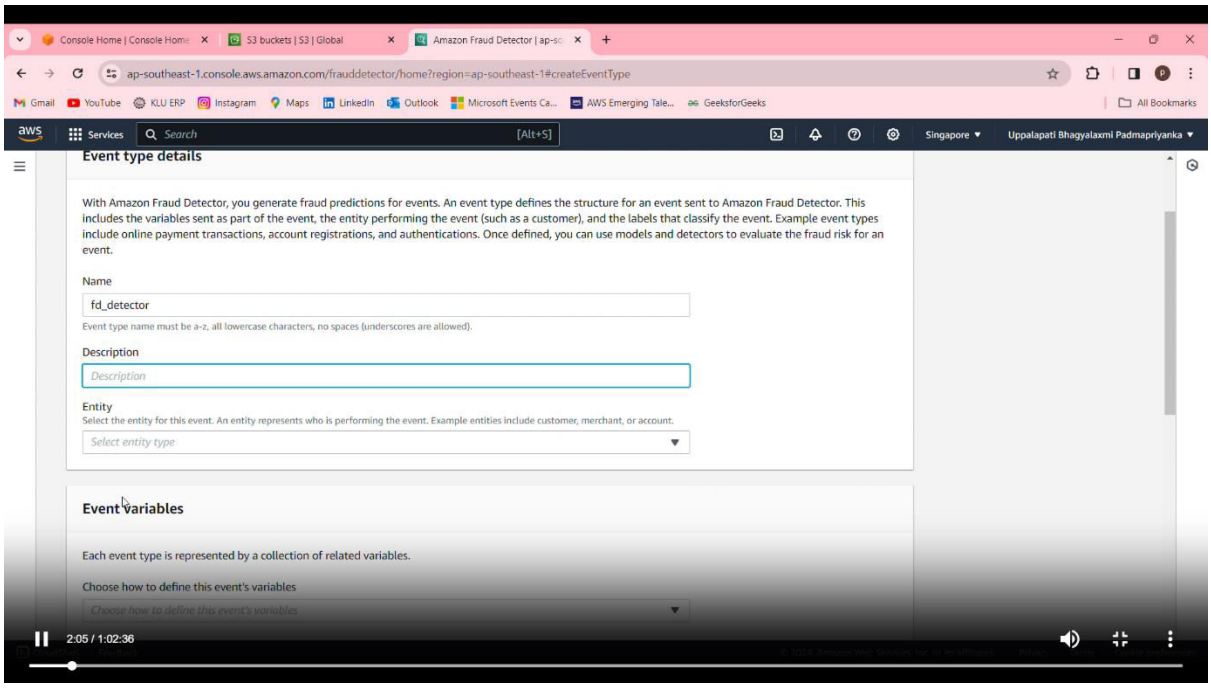
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Event type details
With Amazon Fraud Detector, you generate fraud predictions for events. An event type defines the structure for an event sent to Amazon Fraud Detector. This includes the variables sent as part of the event, the entity performing the event (such as a customer), and the labels that classify the event. Example event types include online payment transactions, account registrations, and authentications. Once defined, you can use models and detectors to evaluate the fraud risk for an event.
Name
fd_detector
Event type name must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description
Description
Entity
Select the entity for this event. An entity represents who is performing the event. Example entities include customer, merchant, or account.
Select entity type
Event variables
Each event type is represented by a collection of related variables.
Choose how to define this event's variables
Choose how to define this event's variables
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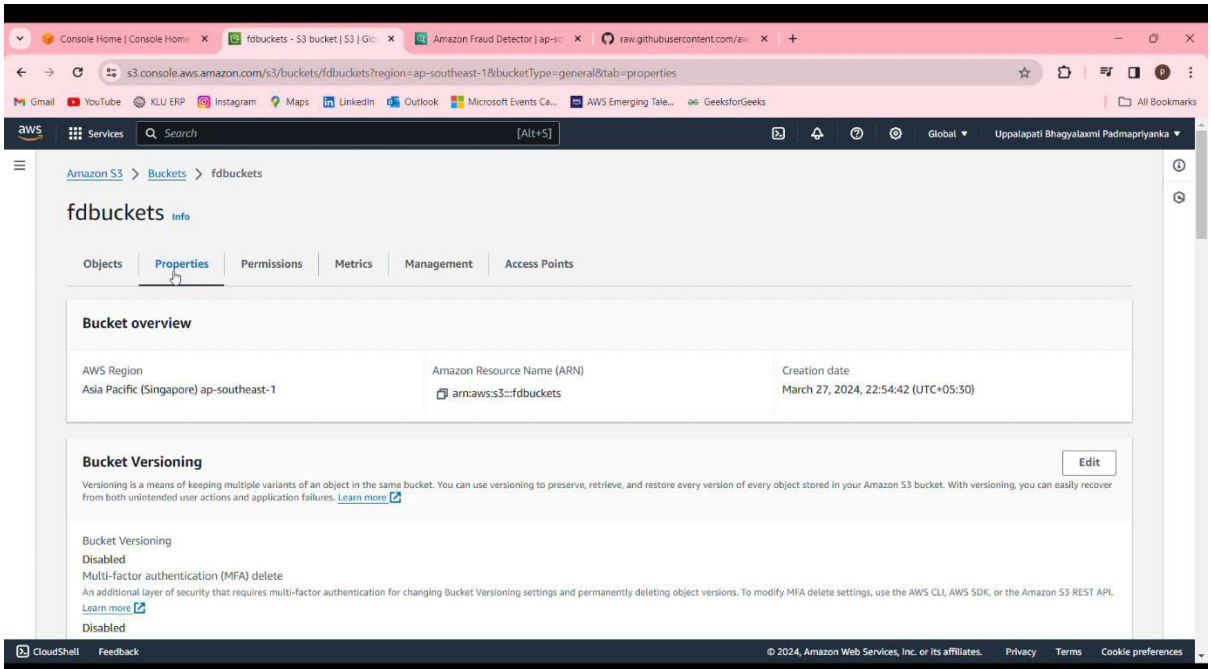
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Amazon S3 > Buckets > fdbuckets
fdbuckets Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Bucket overview
AWS Region
Asia Pacific (Singapore) ap-southeast-1
Amazon Resource Name (ARN)
arn:aws:s3:::fdbuckets
Creation date
March 27, 2024, 22:54:42 (UTC+05:30)
Bucket Versioning
Edit
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
Bucket Versioning
Disabled
Multi-factor authentication (MFA) delete
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API.
Learn more
Disabled
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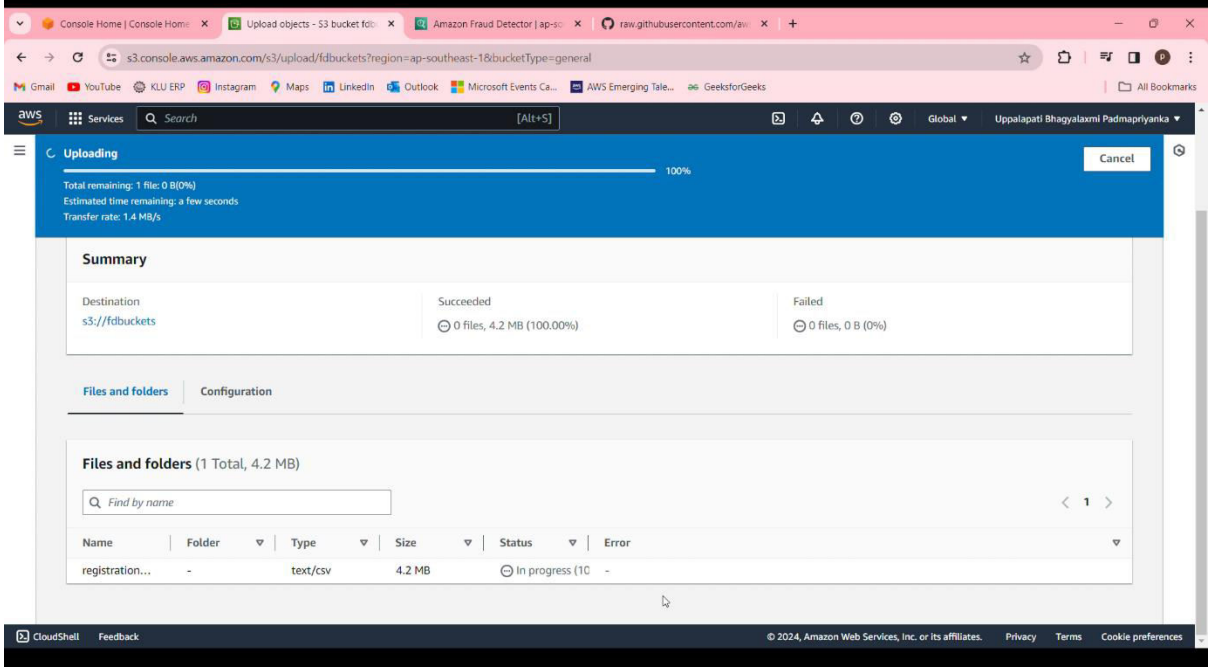
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Upload objects - S3 bucket fdb
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Uploading
100%
Cancel
Total remaining: 1 file: 0 B(0%)
Estimated time remaining: a few seconds
Transfer rate: 1.4 MB/s
Summary
Destination
s3://fdbuckets
Succeeded
0 files, 4.2 MB (100.00%)
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Files and folders (1 Total, 4.2 MB)
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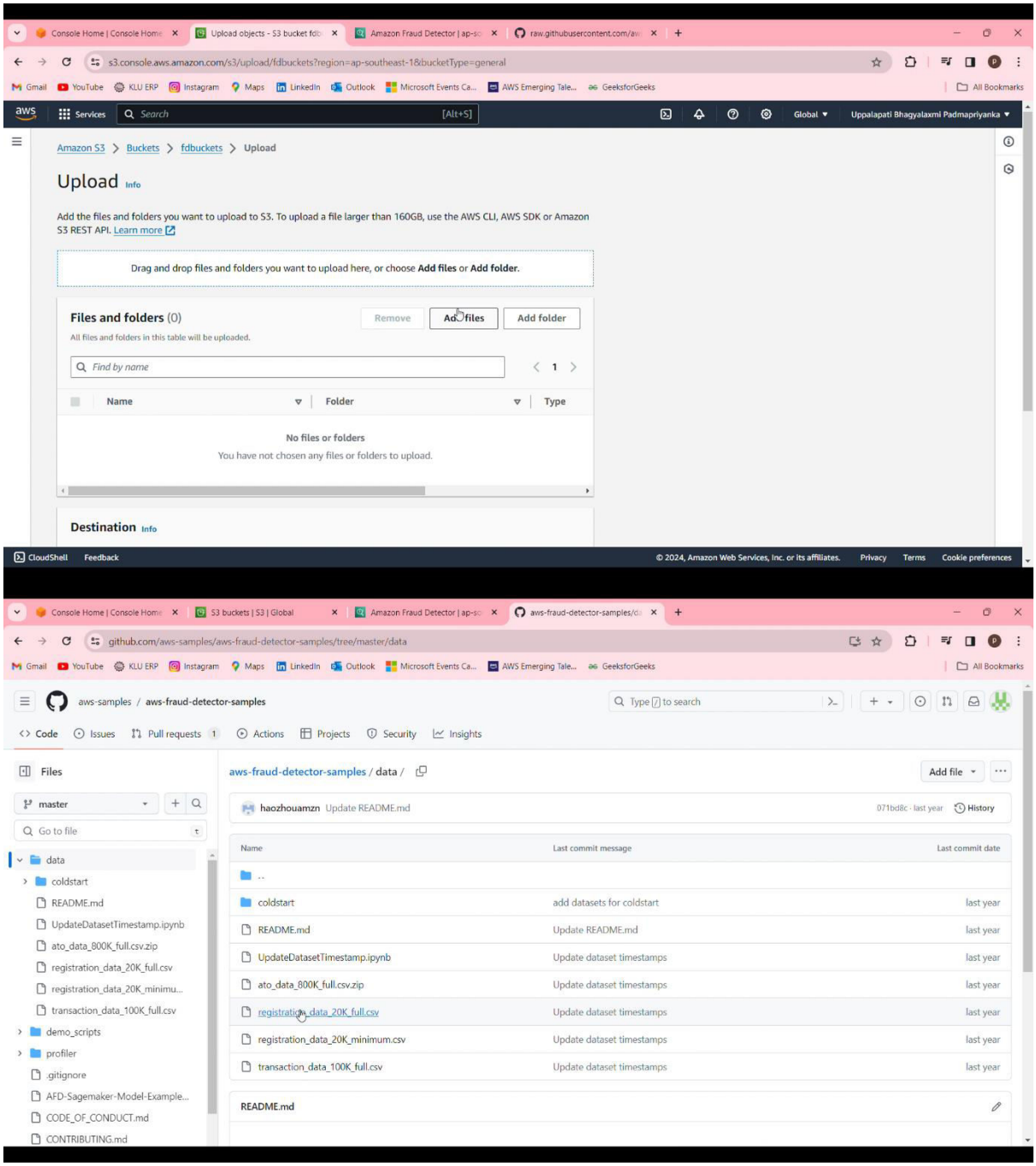
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Upload objects - S3 bucket fdb
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Amazon S3 > Buckets > fdbuckets > Upload
Upload Info
Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more
Drag and drop files and folders you want to upload here, or choose Add files or Add folder.
Files and folders (0)
Remove
Add files
Add folder
All files and folders in this table will be uploaded.
Find by name
1
Name
Folder
Type
No files or folders
You have not chosen any files or folders to upload.
Destination Info
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Actions
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Security
Insights
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registration_data_20K_full.csv
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demo_scripts
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CODE_OF_CONDUCT.md
CONTRIBUTING.md
aws-fraud-detector-samples / data /
Add file
haozhouamzn Update README.md
071bd8c · last year
History
Name
Last commit message
Last commit date
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coldstart
add datasets for coldstart
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Update README.md
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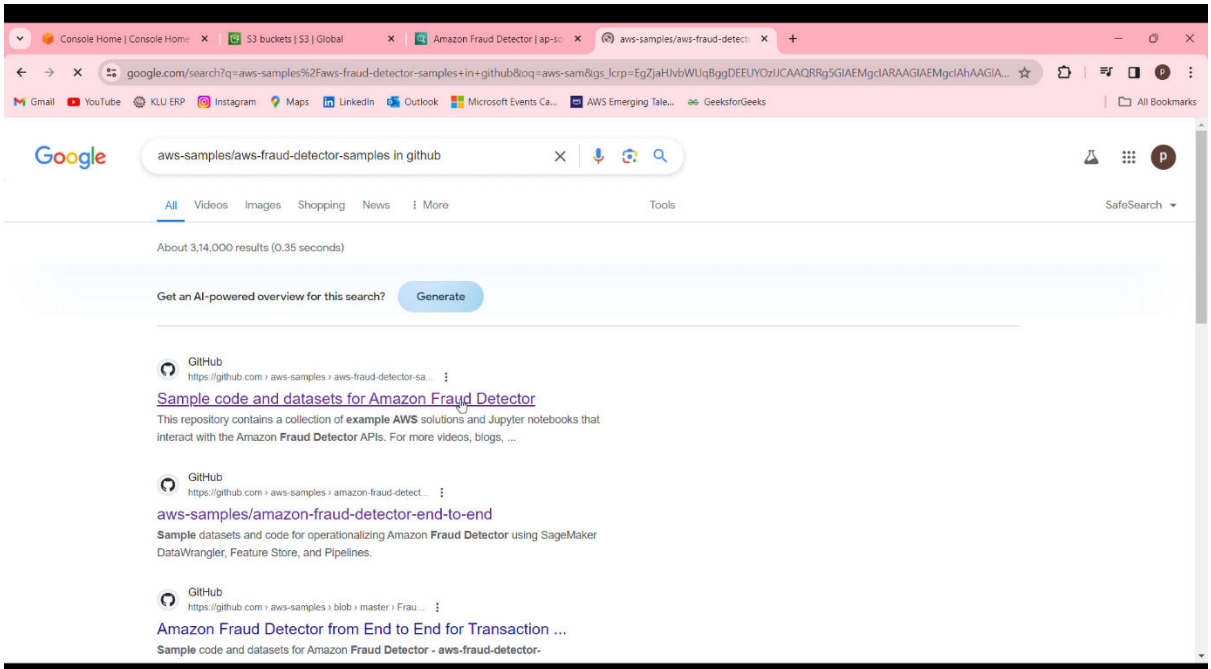
README.md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Tools
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About 3,14,000 results (0.35 seconds)
Get an AI-powered overview for this search?
Generate
GitHub
https://github.com › aws-samples › aws-fraud-detector-sa...
Sample code and datasets for Amazon Fraud Detector
This repository contains a collection of example AWS solutions and Jupyter notebooks that interact with the Amazon Fraud Detector APIs. For more videos, blogs, ...
GitHub
https://github.com › aws-samples › amazon-fraud-detect...
aws-samples/amazon-fraud-detector-end-to-end
Sample datasets and code for operationalizing Amazon Fraud Detector using SageMaker DataWrangler, Feature Store, and Pipelines.
GitHub
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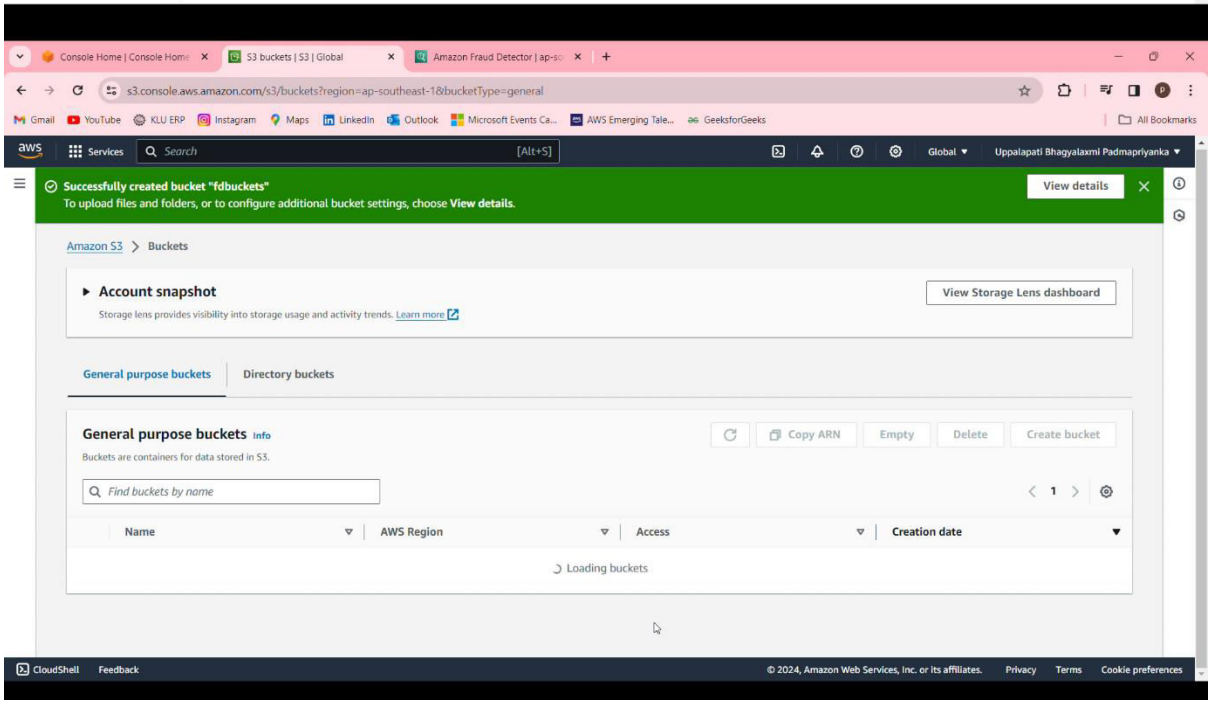
Amazon Fraud Detector from End to End for Transaction ...
Sample code and datasets for Amazon Fraud Detector - aws-fraud-detector-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Successfully created bucket "fdbuckets"
To upload files and folders, or to configure additional bucket settings, choose View details.
View details
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
General purpose buckets
Directory buckets
General purpose buckets Info
Buckets are containers for data stored in S3.
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
1
Name
AWS Region
Access
Creation date
Loading buckets
CloudShell
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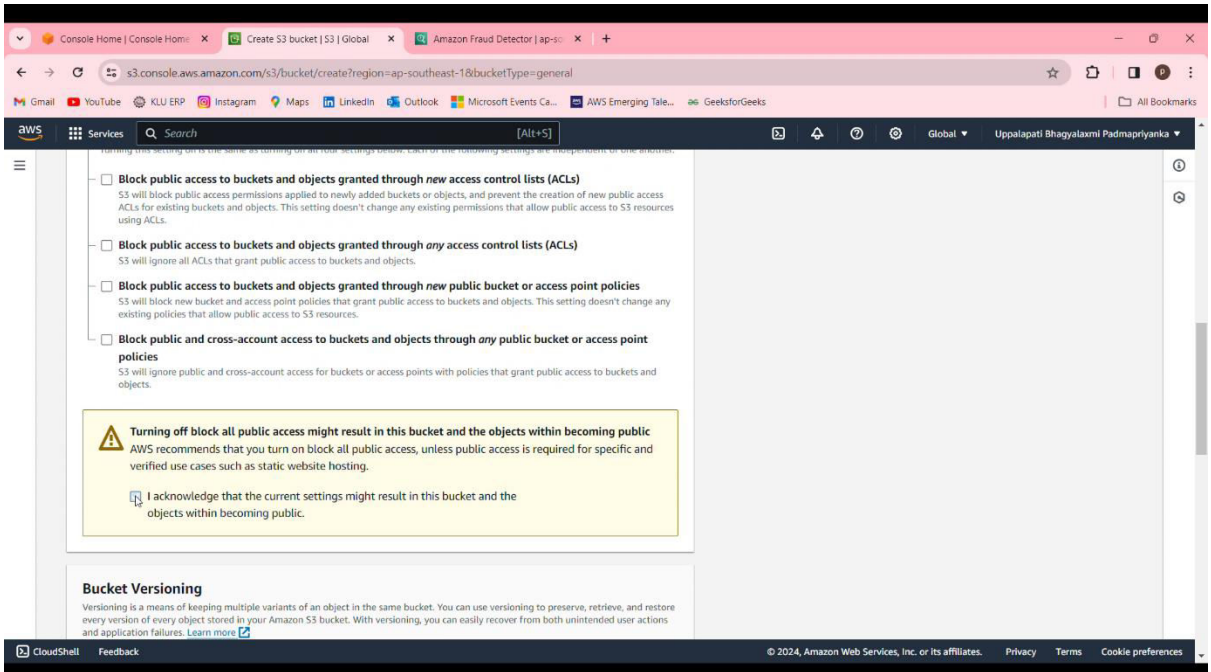
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Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
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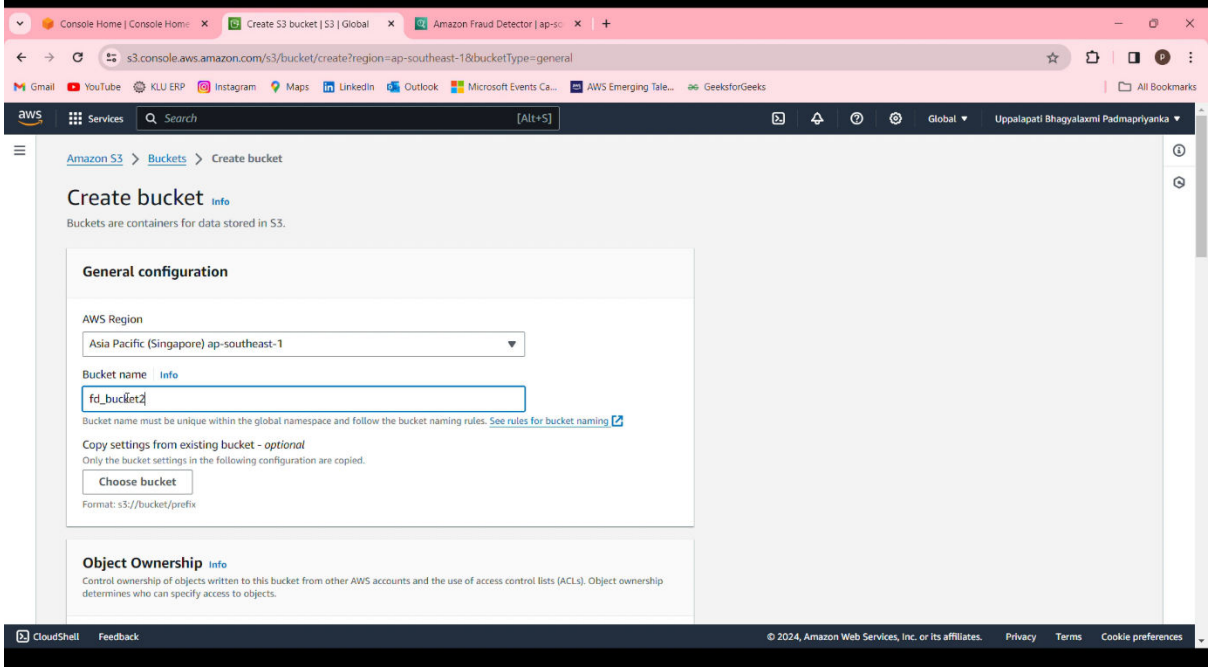
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Amazon S3 > Buckets > Create bucket
Create bucket Info
Buckets are containers for data stored in S3.
General configuration
AWS Region
Asia Pacific (Singapore) ap-southeast-1
Bucket name Info
fd_bucket2
Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
Format: s3://bucket/prefix
Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
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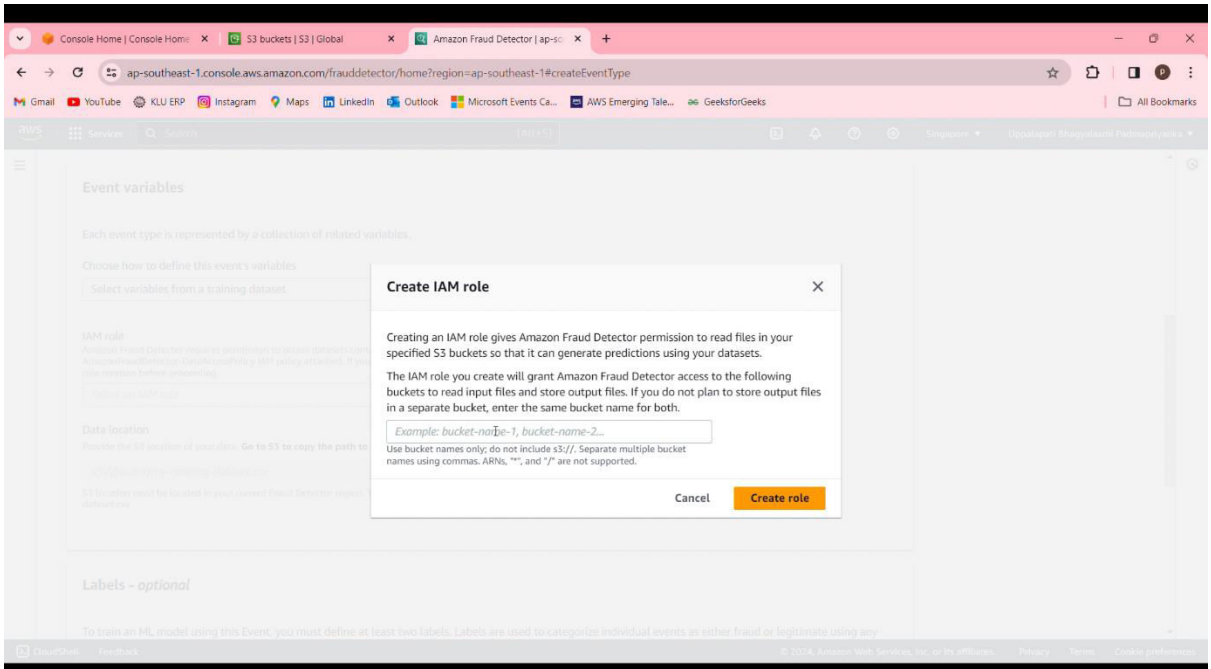
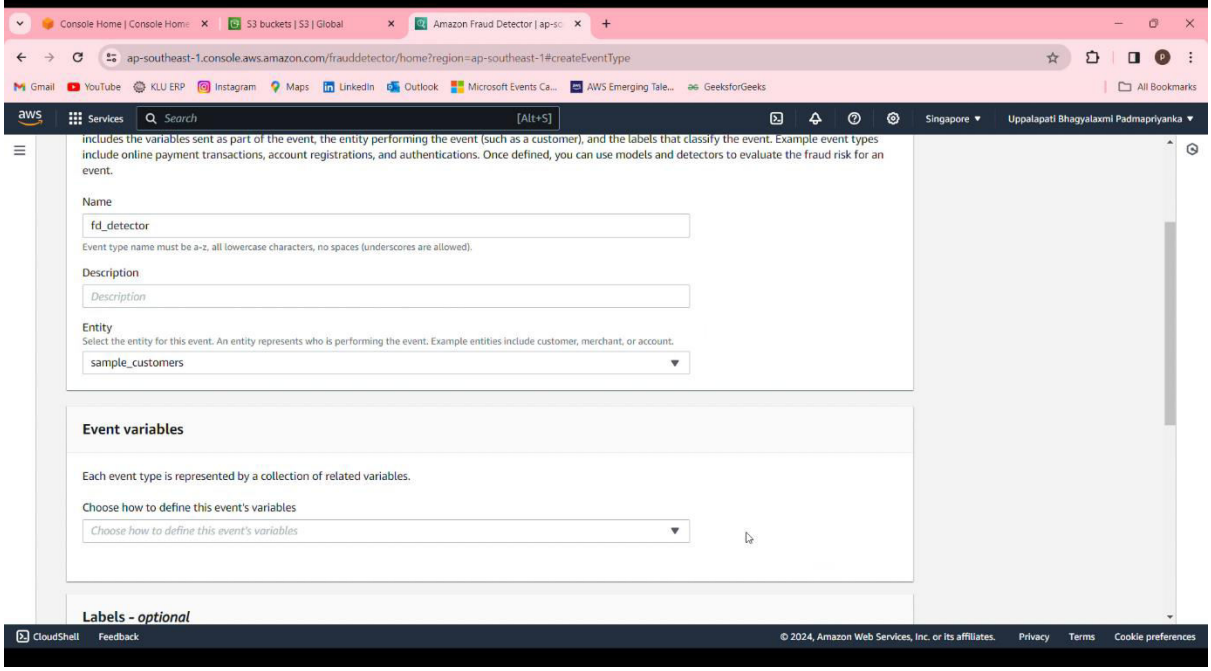

Create IAM role
Creating an IAM role gives Amazon Fraud Detector permission to read files in your specified S3 buckets so that it can generate predictions using your datasets.
The IAM role you create will grant Amazon Fraud Detector access to the following buckets to read input files and store output files. If you do not plan to store output files in a separate bucket, enter the same bucket name for both.
Example: bucket-name-1, bucket-name-2...
Use bucket names only; do not include s3://. Separate multiple bucket names using commas. ARNs, "*", and "/" are not supported.
Cancel
Create role


includes the variables sent as part of the event, the entity performing the event (such as a customer), and the labels that classify the event. Example event types include online payment transactions, account registrations, and authentications. Once defined, you can use models and detectors to evaluate the fraud risk for an event.
Name
fd_detector
Event type name must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description
Description
Entity
Select the entity for this event. An entity represents who is performing the event. Example entities include customer, merchant, or account.
sample_customers
Event variables
Each event type is represented by a collection of related variables.
Choose how to define this event's variables
Choose how to define this event's variables
Labels - optional
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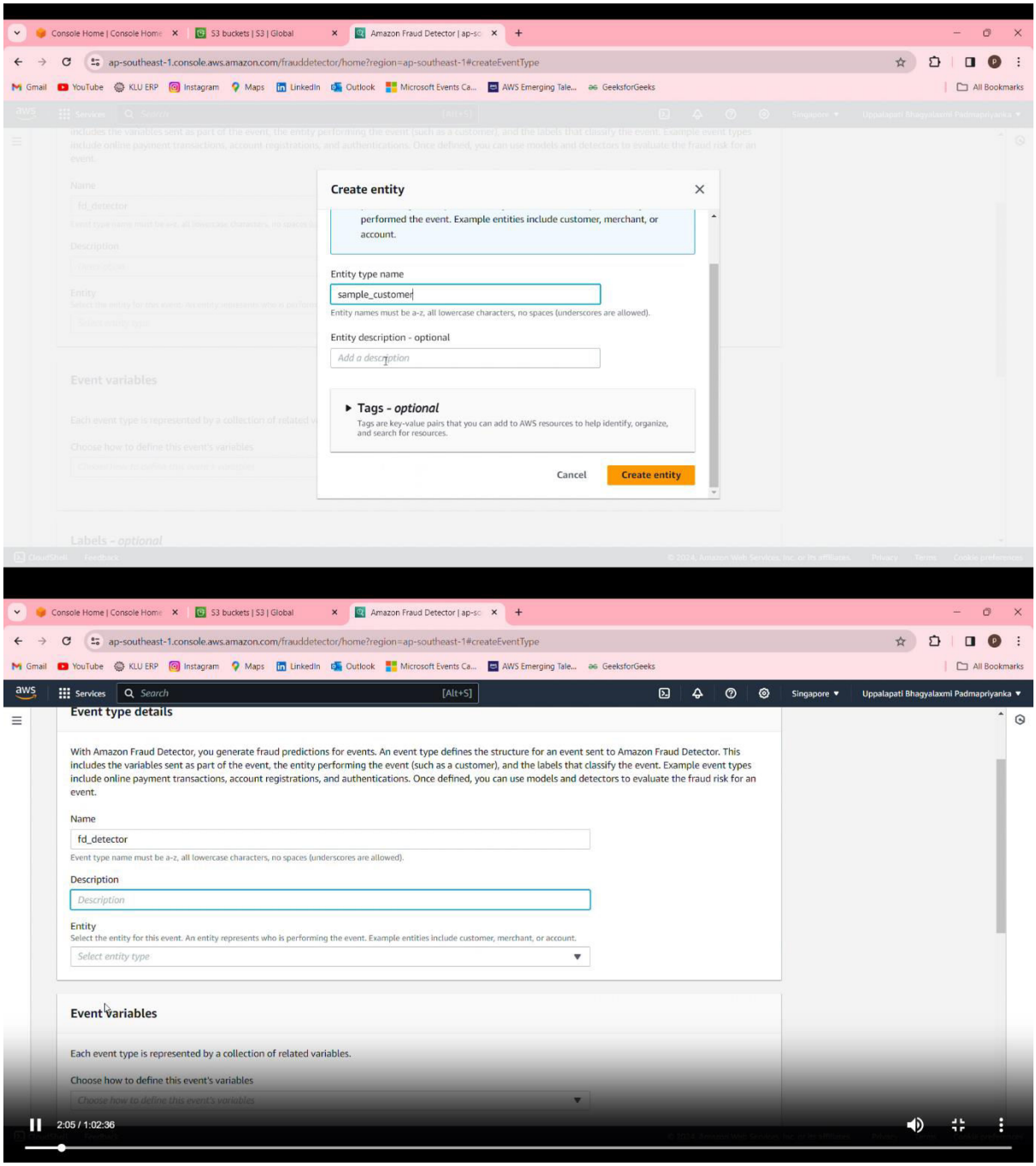
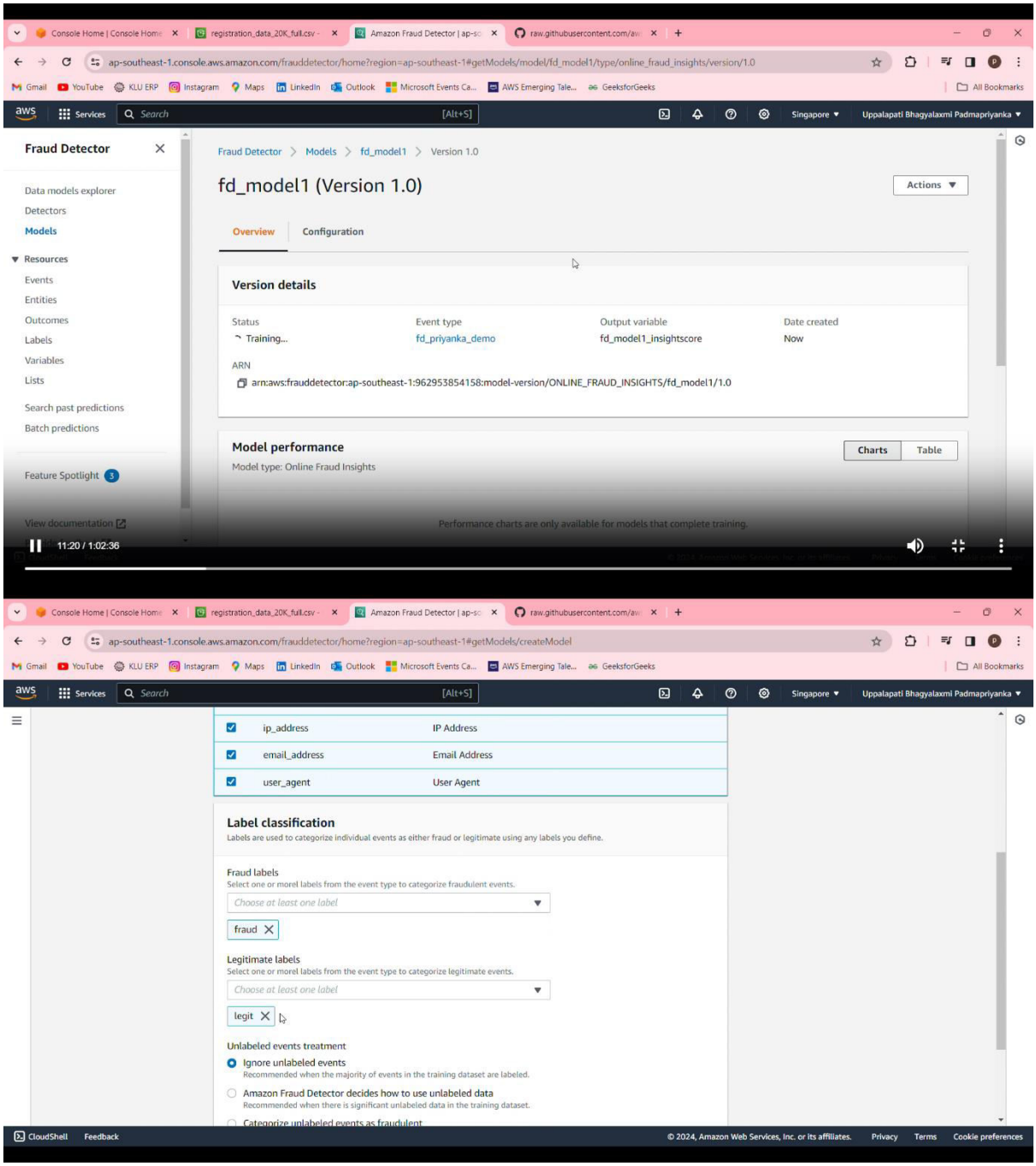

Console Home | Console Home
S3 buckets | S3 | Global
Amazon Fraud Detector | ap-so
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createEventType
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
Create entity
performed the event. Example entities include customer, merchant, or account.
Entity type name
sample_customer
Entity names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Entity description - optional
Add a description
Tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Cancel
Create entity
Event variables
Labels - optional

Console Home | Console Home
S3 buckets | S3 | Global
Amazon Fraud Detector | ap-so
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createEventType
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Event type details
With Amazon Fraud Detector, you generate fraud predictions for events. An event type defines the structure for an event sent to Amazon Fraud Detector. This includes the variables sent as part of the event, the entity performing the event (such as a customer), and the labels that classify the event. Example event types include online payment transactions, account registrations, and authentications. Once defined, you can use models and detectors to evaluate the fraud risk for an event.
Name
fd_detector
Event type name must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description
Description
Entity
Select the entity for this event. An entity represents who is performing the event. Example entities include customer, merchant, or account.
Select entity type
Event variables
Each event type is represented by a collection of related variables.
Choose how to define this event's variables
Choose how to define this event's variables
2:05 / 1:02:36


Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
View documentation
Fraud Detector > Models > fd_model1 > Version 1.0
fd_model1 (Version 1.0)
Actions
Overview
Configuration
Version details
Status
Training...
Event type
fd_priyanka_demo
Output variable
fd_model1_insightscore
Date created
Now
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:model-version/ONLINE_FRAUD_INSIGHTS/fd_model1/1.0
Model performance
Model type: Online Fraud Insights
Charts
Table
Performance charts are only available for models that complete training.
11:20 / 1:02:36

ip_address
IP Address
email_address
Email Address
user_agent
User Agent
Label classification
Labels are used to categorize individual events as either fraud or legitimate using any labels you define.
Fraud labels
Select one or morel labels from the event type to categorize fraudulent events.
Choose at least one label
fraud
Legitimate labels
Select one or morel labels from the event type to categorize legitimate events.
Choose at least one label
legit
Unlabeled events treatment
Ignore unlabeled events
Recommended when the majority of events in the training dataset are labeled.
Amazon Fraud Detector decides how to use unlabeled data
Recommended when there is significant unlabeled data in the training dataset.
Categorize unlabeled events as fraudulent
CloudShell
Feedback
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Privacy
Terms
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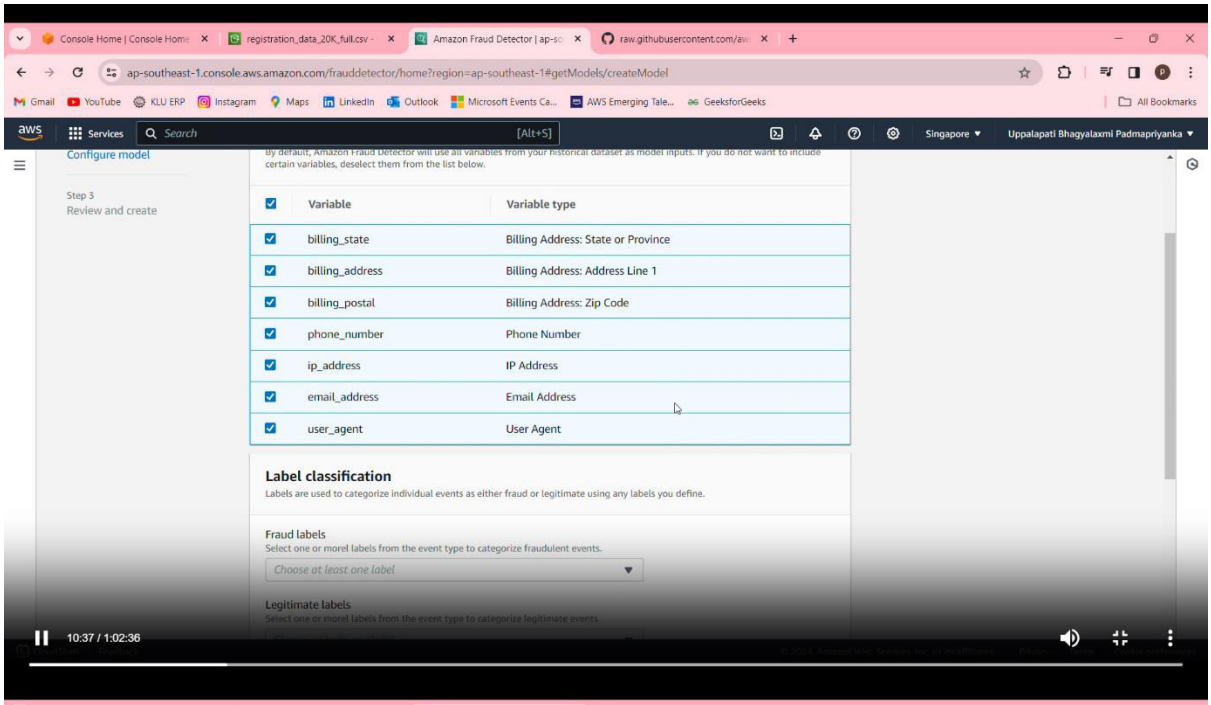
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/createModel
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
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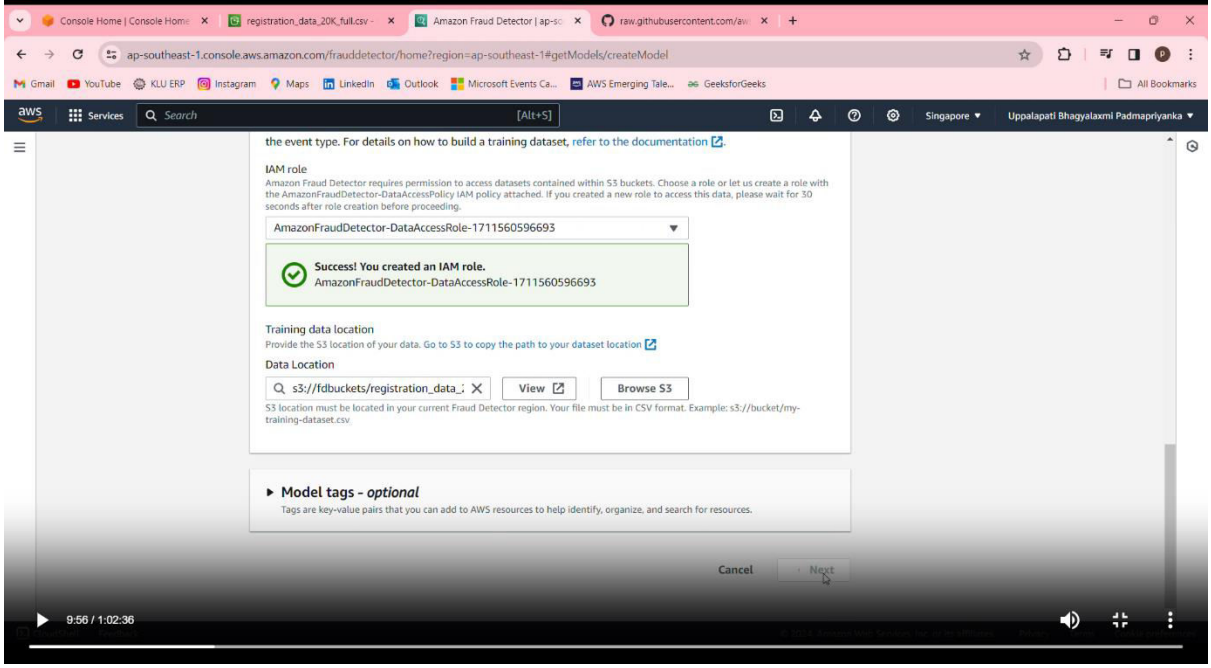
Configure model
Step 3
Review and create
certain variables, deselect them from the list below.
Variable
Variable type
billing_state
Billing Address: State or Province
billing_address
Billing Address: Address Line 1
billing_postal
Billing Address: Zip Code
phone_number
Phone Number
ip_address
IP Address
email_address
Email Address
user_agent
User Agent
Label classification
Labels are used to categorize individual events as either fraud or legitimate using any labels you define.
Fraud labels
Select one or morel labels from the event type to categorize fraudulent events.
Choose at least one label
Legitimate labels
10:37 / 1:02:36


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/createModel
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
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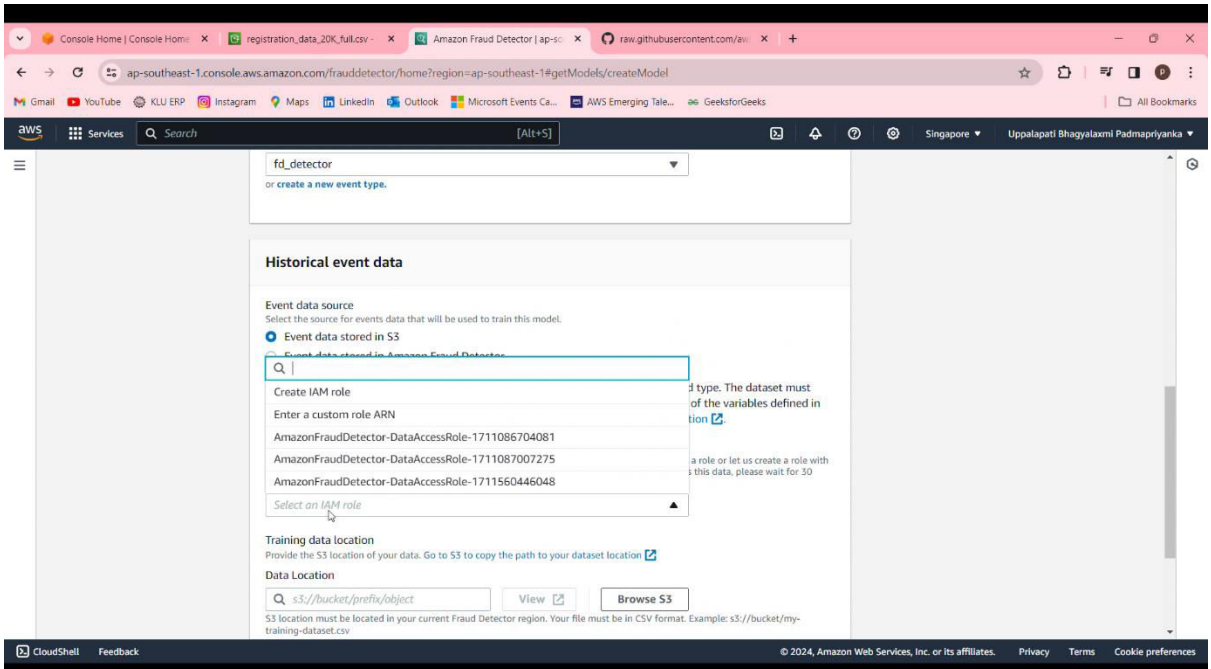
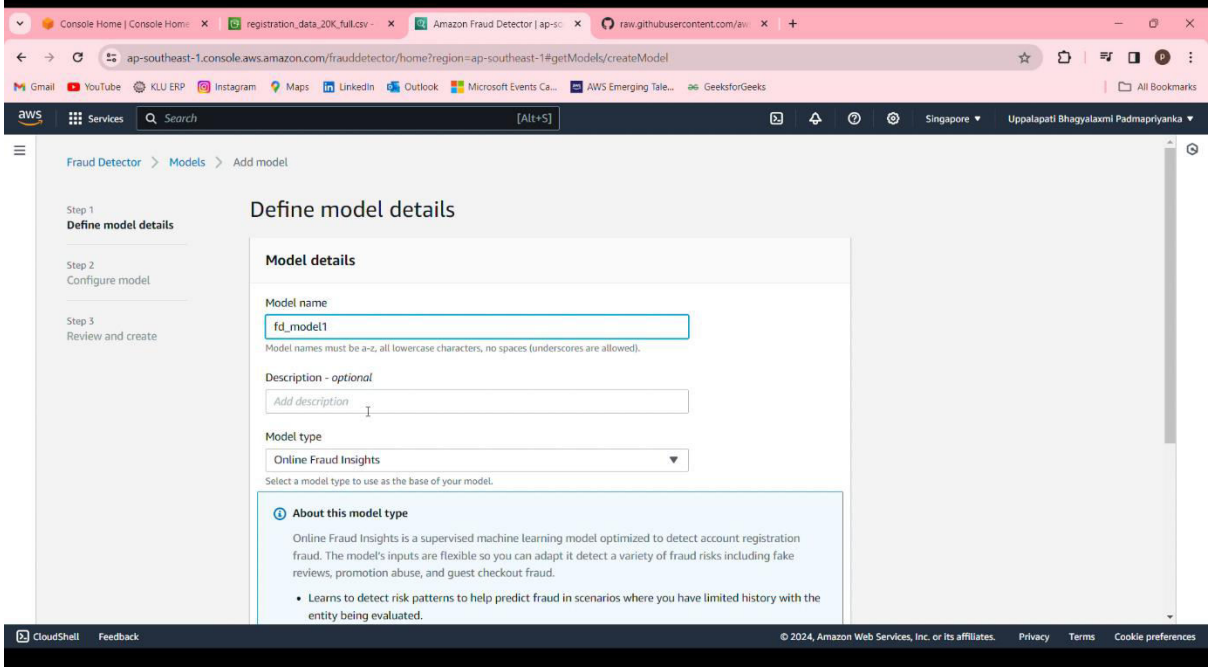
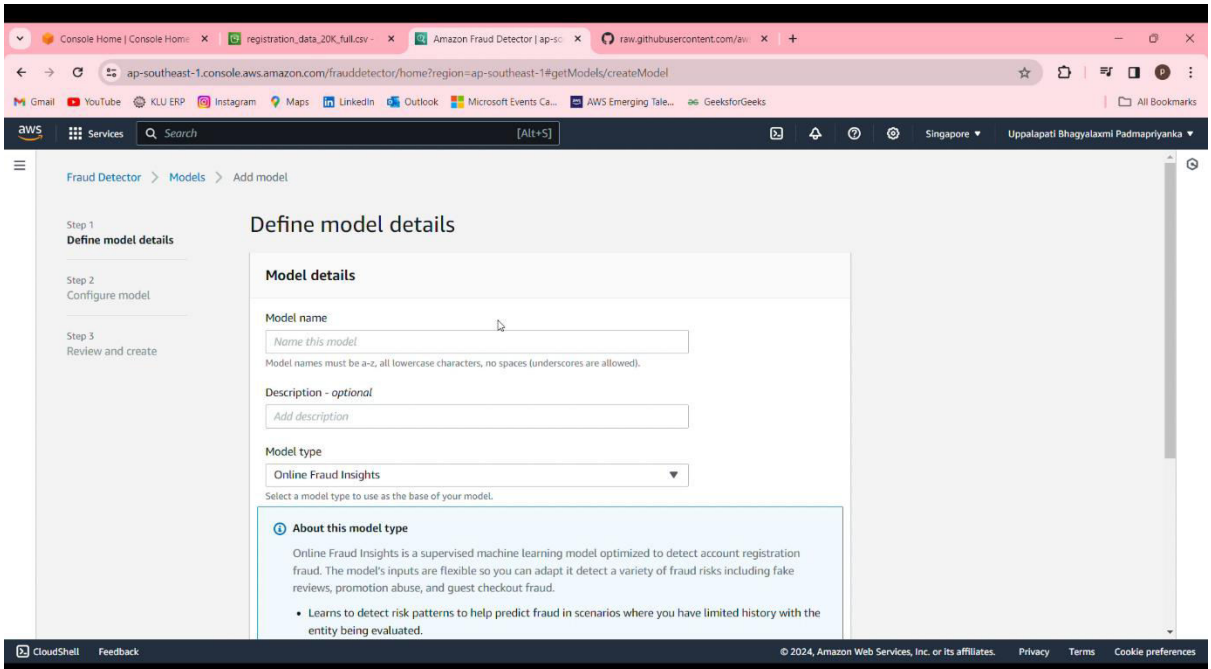
the event type. For details on how to build a training dataset, refer to the documentation.
IAM role
Amazon Fraud Detector requires permission to access datasets contained within S3 buckets. Choose a role or let us create a role with the AmazonFraudDetector-DataAccessPolicy IAM policy attached. If you created a new role to access this data, please wait for 30 seconds after role creation before proceeding.
AmazonFraudDetector-DataAccessRole-1711560596693
Success! You created an IAM role.
AmazonFraudDetector-DataAccessRole-1711560596693
Training data location
Provide the S3 location of your data. Go to S3 to copy the path to your dataset location
Data Location
s3://fdbuckets/registration_data_:
View
Browse S3
S3 location must be located in your current Fraud Detector region. Your file must be in CSV format. Example: s3://bucket/my-training-dataset.csv
Model tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Cancel
Next
9:56 / 1:02:36


fd_detector
or create a new event type.
Historical event data
Event data source
Select the source for events data that will be used to train this model.
Event data stored in S3
Create IAM role
Enter a custom role ARN
AmazonFraudDetector-DataAccessRole-1711086704081
AmazonFraudDetector-DataAccessRole-1711087007275
AmazonFraudDetector-DataAccessRole-1711560446048
Select an IAM role
Training data location
Provide the S3 location of your data. Go to S3 to copy the path to your dataset location
Data Location
s3://bucket/prefix/object
View
Browse S3
S3 location must be located in your current Fraud Detector region. Your file must be in CSV format. Example: s3://bucket/my-training-dataset.csv


Fraud Detector
Models
Add model
Step 1
Define model details
Step 2
Configure model
Step 3
Review and create
Define model details
Model details
Model name
fd_model1
Model names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Add description
Model type
Online Fraud Insights
Select a model type to use as the base of your model.
About this model type
Online Fraud Insights is a supervised machine learning model optimized to detect account registration fraud. The model's inputs are flexible so you can adapt it detect a variety of fraud risks including fake reviews, promotion abuse, and guest checkout fraud.
Learns to detect risk patterns to help predict fraud in scenarios where you have limited history with the entity being evaluated.


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/createModel
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Models
Add model
Step 1
Define model details
Step 2
Configure model
Step 3
Review and create
Define model details
Model details
Model name
Name this model
Model names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Add description
Model type
Online Fraud Insights
Select a model type to use as the base of your model.
About this model type
Online Fraud Insights is a supervised machine learning model optimized to detect account registration fraud. The model's inputs are flexible so you can adapt it detect a variety of fraud risks including fake reviews, promotion abuse, and guest checkout fraud.
Learns to detect risk patterns to help predict fraud in scenarios where you have limited history with the entity being evaluated.
CloudShell
Feedback
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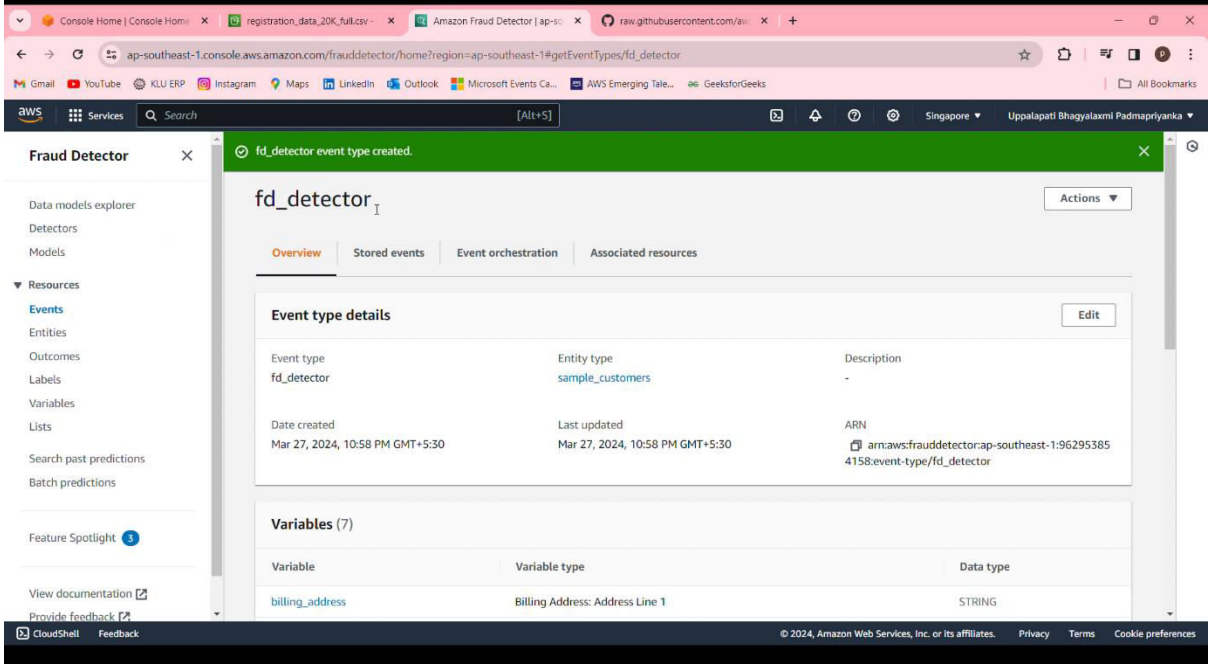
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getEventTypes/fd_detector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
fd_detector event type created.
fd_detector
Actions
Overview
Stored events
Event orchestration
Associated resources
Event type details
Edit
Event type
fd_detector
Entity type
sample_customers
Description
-
Date created
Mar 27, 2024, 10:58 PM GMT+5:30
Last updated
Mar 27, 2024, 10:58 PM GMT+5:30
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:event-type/fd_detector
Variables (7)
Variable
Variable type
Data type
billing_address
Billing Address: Address Line 1
STRING
CloudShell
Feedback
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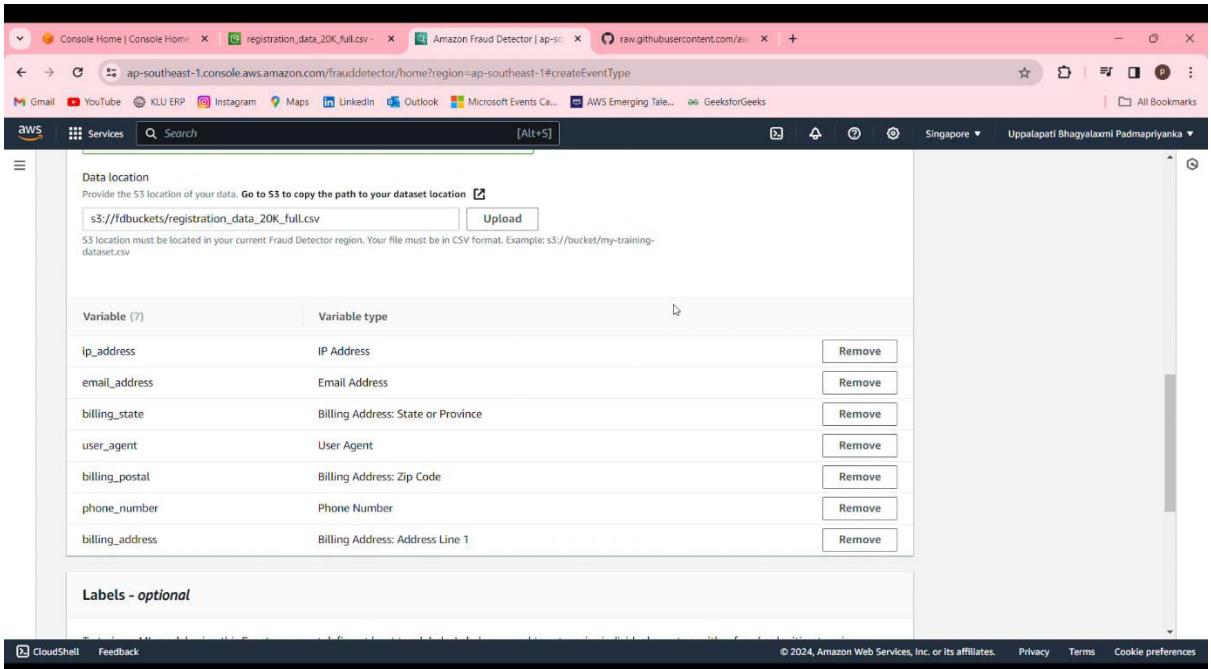
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createEventType
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
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Data location
Provide the S3 location of your data. Go to S3 to copy the path to your dataset location
s3://fdbuckets/registration_data_20K_full.csv
Upload
S3 location must be located in your current Fraud Detector region. Your file must be in CSV format. Example: s3://bucket/my-training-dataset.csv
Variable (7)
Variable type
ip_address
IP Address
Remove
email_address
Email Address
Remove
billing_state
Billing Address: State or Province
Remove
user_agent
User Agent
Remove
billing_postal
Billing Address: Zip Code
Remove
phone_number
Phone Number
Remove
billing_address
Billing Address: Address Line 1
Remove
Labels - optional
CloudShell
Feedback
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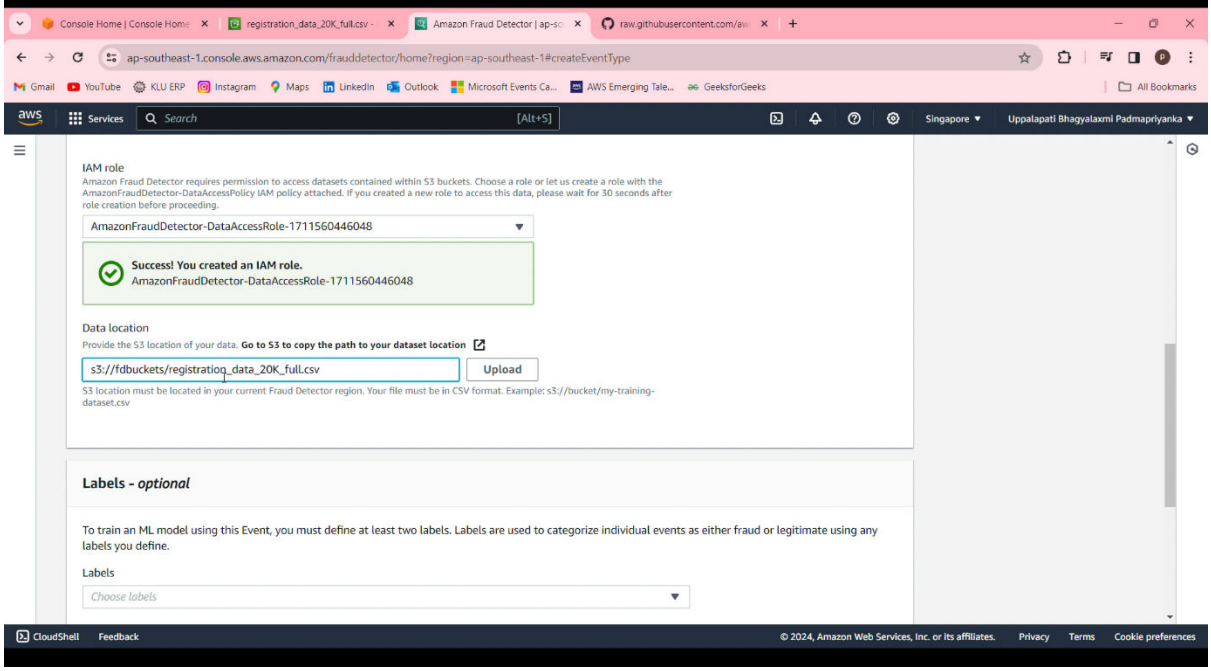
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createEventType
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
IAM role
Amazon Fraud Detector requires permission to access datasets contained within S3 buckets. Choose a role or let us create a role with the AmazonFraudDetector-DataAccessPolicy IAM policy attached. If you created a new role to access this data, please wait for 30 seconds after role creation before proceeding.
AmazonFraudDetector-DataAccessRole-1711560446048
Success! You created an IAM role.
AmazonFraudDetector-DataAccessRole-1711560446048
Data location
Provide the S3 location of your data. Go to S3 to copy the path to your dataset location
s3://fdbuckets/registration_data_20K_full.csv
Upload
S3 location must be located in your current Fraud Detector region. Your file must be in CSV format. Example: s3://bucket/my-training-dataset.csv
Labels - optional
To train an ML model using this Event, you must define at least two labels. Labels are used to categorize individual events as either fraud or legitimate using any labels you define.
Labels
Choose labels
CloudShell
Feedback
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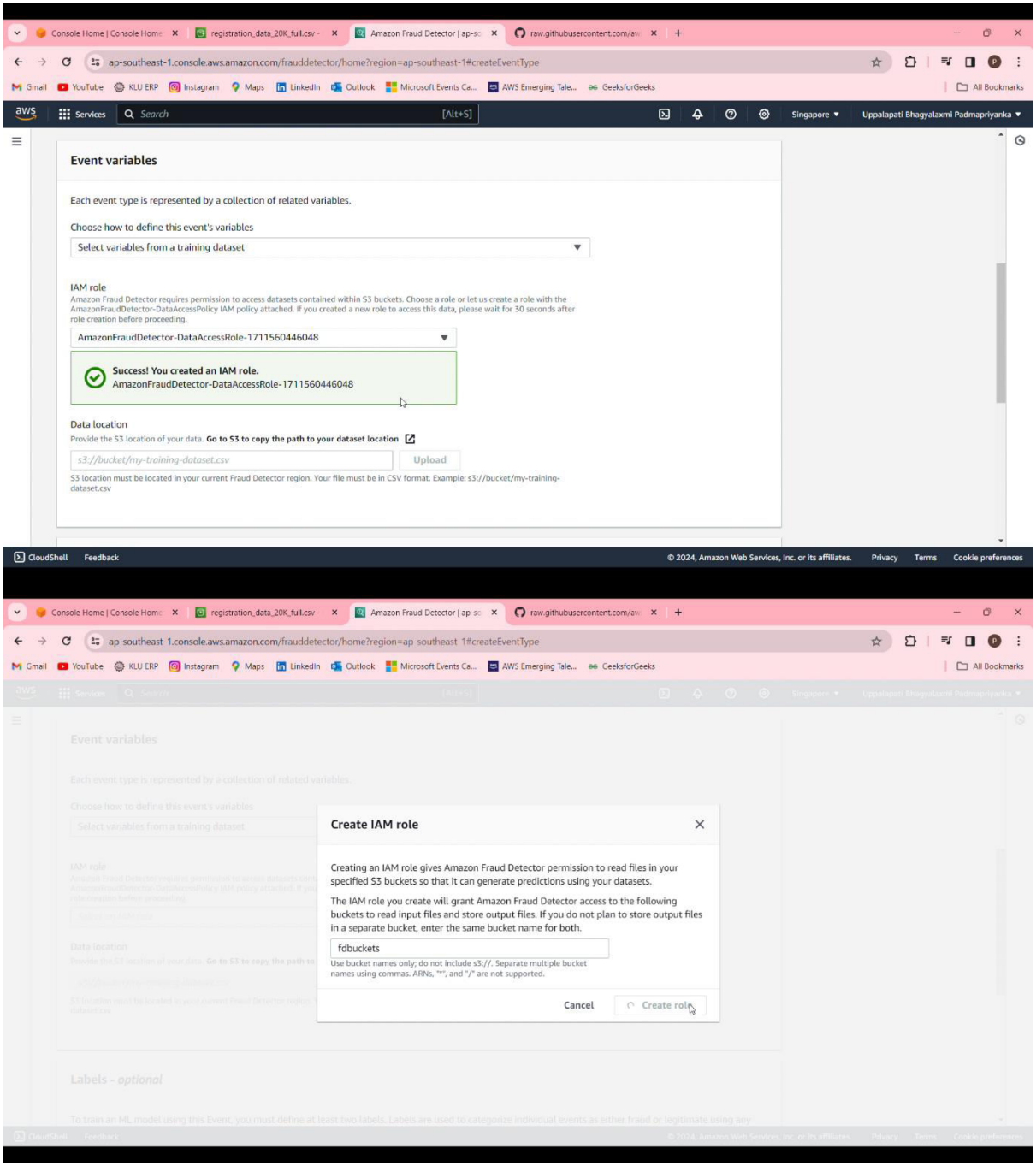
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createEventType
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
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Event variables
Each event type is represented by a collection of related variables.
Choose how to define this event's variables
Select variables from a training dataset
IAM role
Amazon Fraud Detector requires permission to access datasets contained within S3 buckets. Choose a role or let us create a role with the AmazonFraudDetector-DataAccessPolicy IAM policy attached. If you created a new role to access this data, please wait for 30 seconds after role creation before proceeding.
AmazonFraudDetector-DataAccessRole-1711560446048
Success! You created an IAM role.
AmazonFraudDetector-DataAccessRole-1711560446048
Data location
Provide the S3 location of your data. Go to S3 to copy the path to your dataset location
s3://bucket/my-training-dataset.csv
Upload
S3 location must be located in your current Fraud Detector region. Your file must be in CSV format. Example: s3://bucket/my-training-dataset.csv
CloudShell
Feedback
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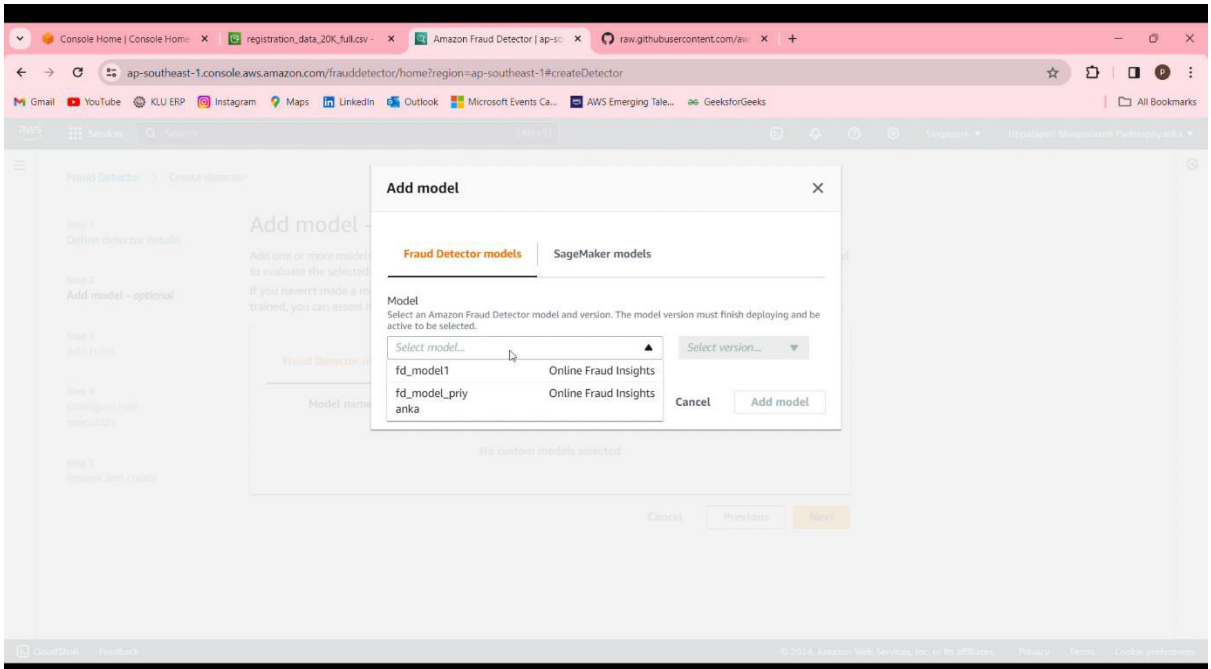
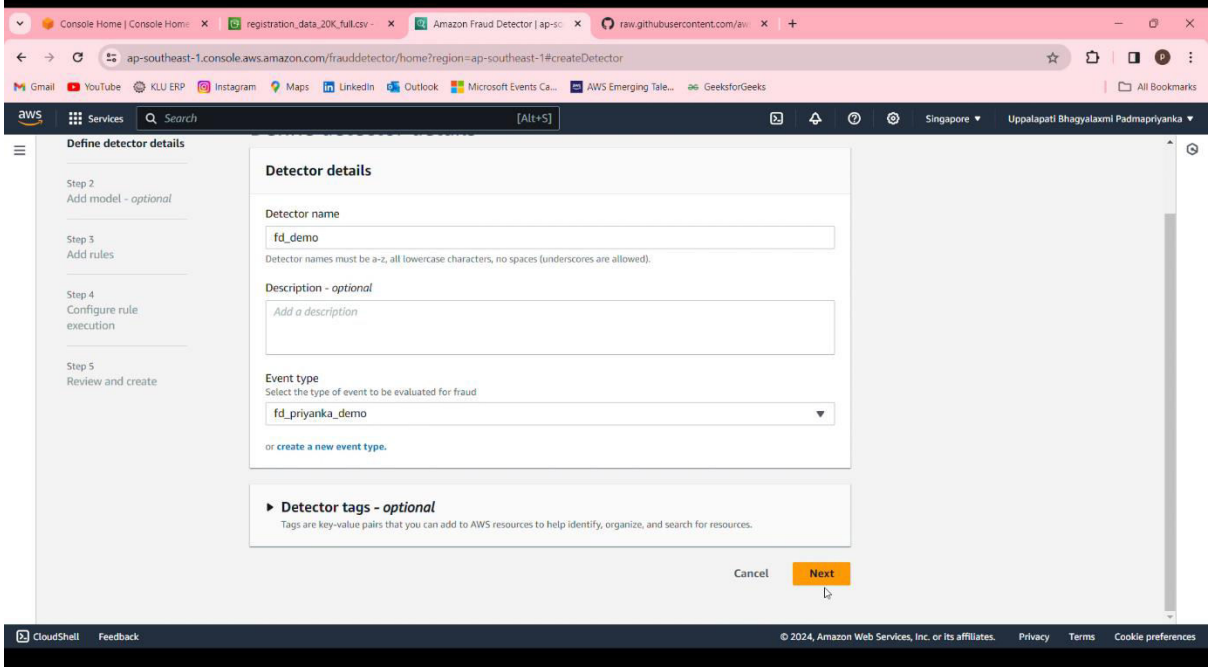
Create IAM role
Creating an IAM role gives Amazon Fraud Detector permission to read files in your specified S3 buckets so that it can generate predictions using your datasets.
The IAM role you create will grant Amazon Fraud Detector access to the following buckets to read input files and store output files. If you do not plan to store output files in a separate bucket, enter the same bucket name for both.
fdbuckets
Use bucket names only; do not include s3://. Separate multiple bucket names using commas. ARNs, "*", and "/" are not supported.
Cancel
Create role


Add model
Fraud Detector models
SageMaker models
Model
Select an Amazon Fraud Detector model and version. The model version must finish deploying and be active to be selected.
Select model...
Select version...
fd_model1
Online Fraud Insights
fd_model_priyanka
Online Fraud Insights
Cancel
Add model


Define detector details
Step 2
Add model - optional
Step 3
Add rules
Step 4
Configure rule execution
Step 5
Review and create
Detector details
Detector name
fd_demo
Detector names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Add a description
Event type
Select the type of event to be evaluated for fraud
fd_priyanka_demo
or create a new event type.
Detector tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Cancel
Next
CloudShell
Feedback
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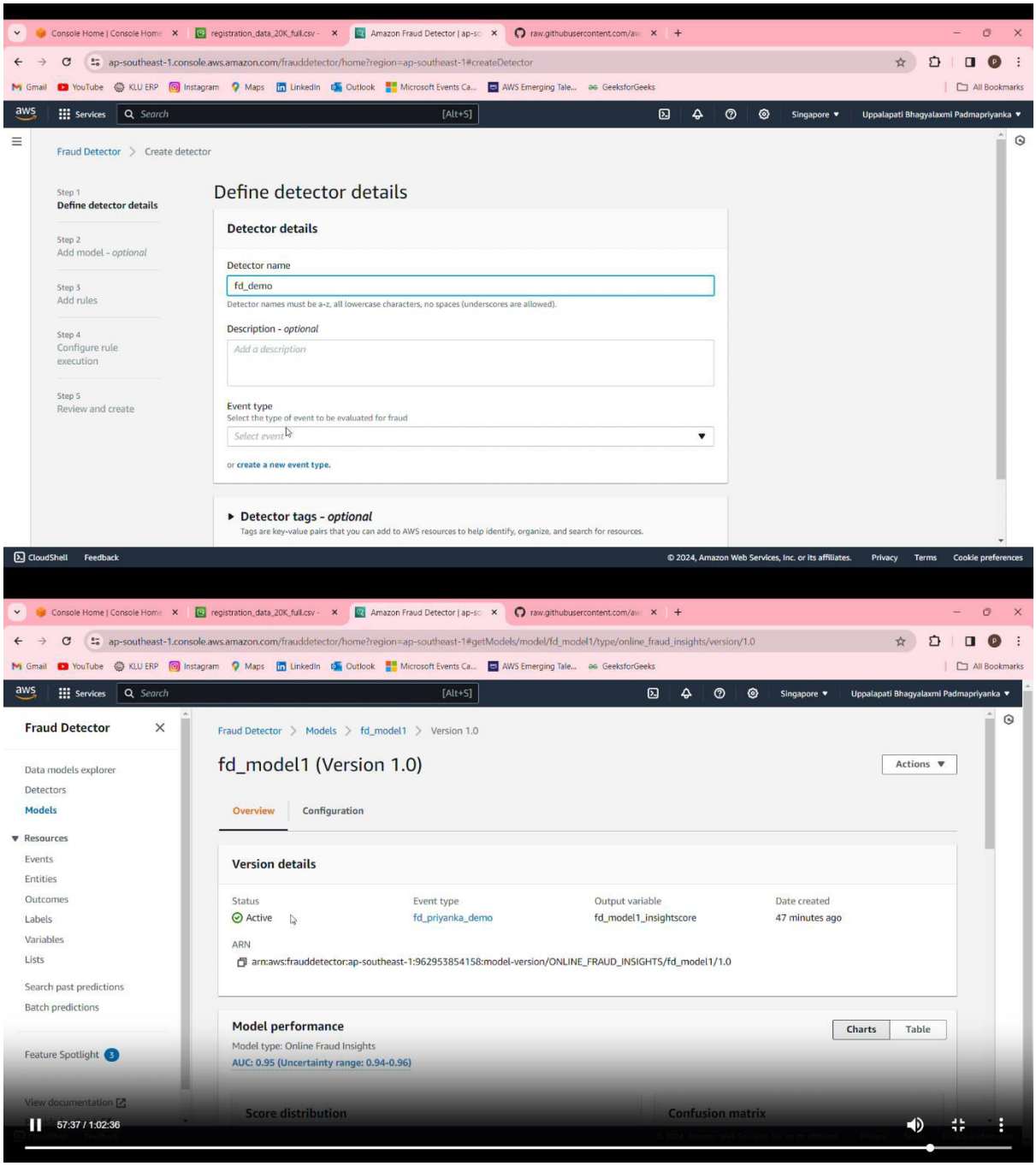
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector > Create detector
Step 1
Define detector details
Step 2
Add model - optional
Step 3
Add rules
Step 4
Configure rule execution
Step 5
Review and create
Define detector details
Detector details
Detector name
fd_demo
Detector names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Add a description
Event type
Select the type of event to be evaluated for fraud
Select event
or create a new event type.
Detector tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
CloudShell
Feedback
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Cookie preferences
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Fraud Detector
Data models explorer
Detectors
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Resources
Events
Entities
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Labels
Variables
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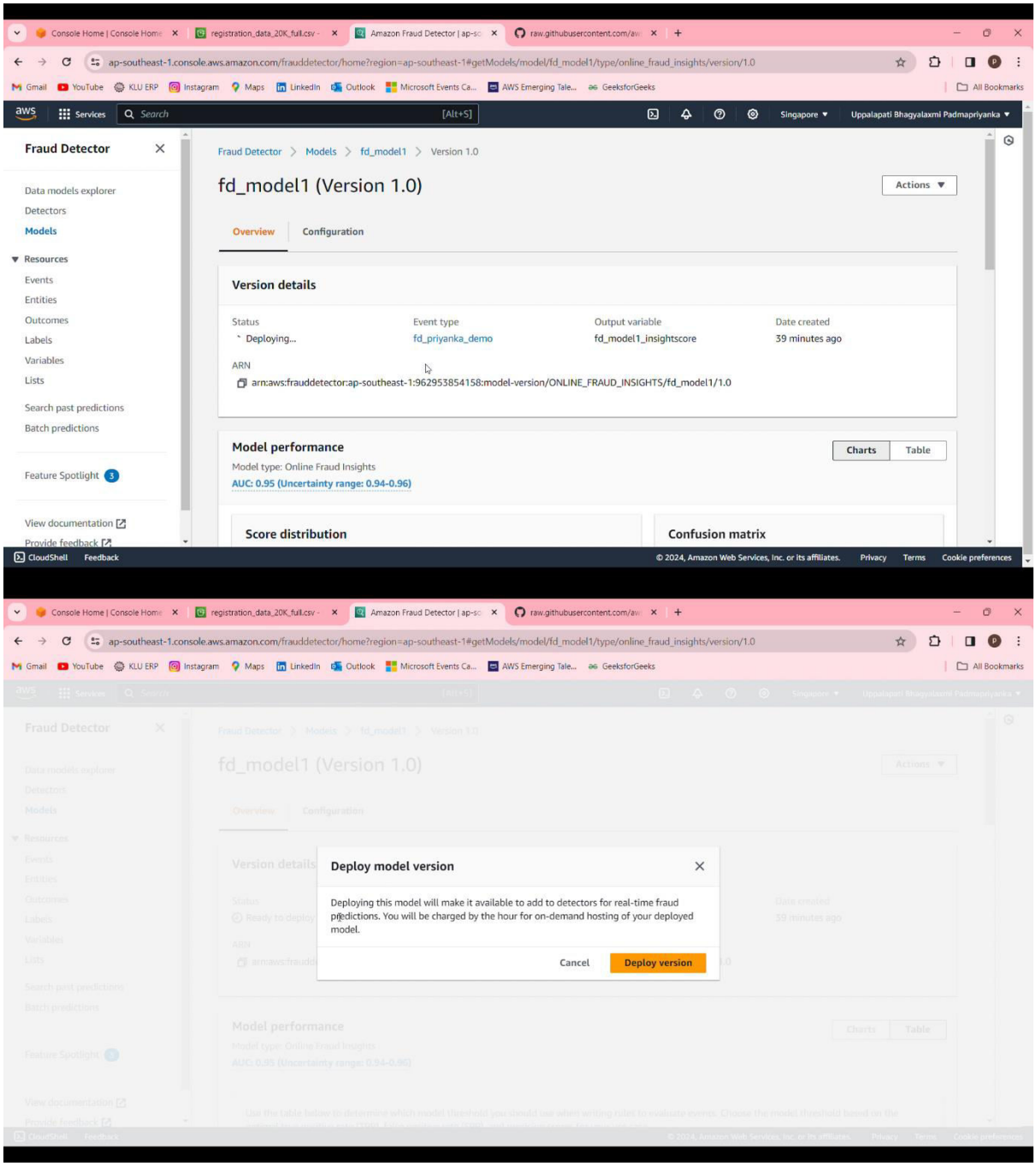
Search past predictions
Batch predictions
Feature Spotlight
View documentation
Fraud Detector > Models > fd_model1 > Version 1.0
fd_model1 (Version 1.0)
Actions
Overview
Configuration
Version details
Status
Active
Event type
fd_priyanka_demo
Output variable
fd_model1_insightscore
Date created
47 minutes ago
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:model-version/ONLINE_FRAUD_INSIGHTS/fd_model1/1.0
Model performance
Model type: Online Fraud Insights
AUC: 0.95 (Uncertainty range: 0.94-0.96)
Charts
Table
Score distribution
Confusion matrix
57:37 / 1:02:36


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
Fraud Detector > Models > fd_model1 > Version 1.0
fd_model1 (Version 1.0)
Actions
Overview
Configuration
Version details
Status
Deploying...
Event type
fd_priyanka_demo
Output variable
fd_model1_insightscore
Date created
39 minutes ago
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:model-version/ONLINE_FRAUD_INSIGHTS/fd_model1/1.0
Model performance
Model type: Online Fraud Insights
AUC: 0.95 (Uncertainty range: 0.94-0.96)
Charts
Table
Score distribution
Confusion matrix
CloudShell
Feedback
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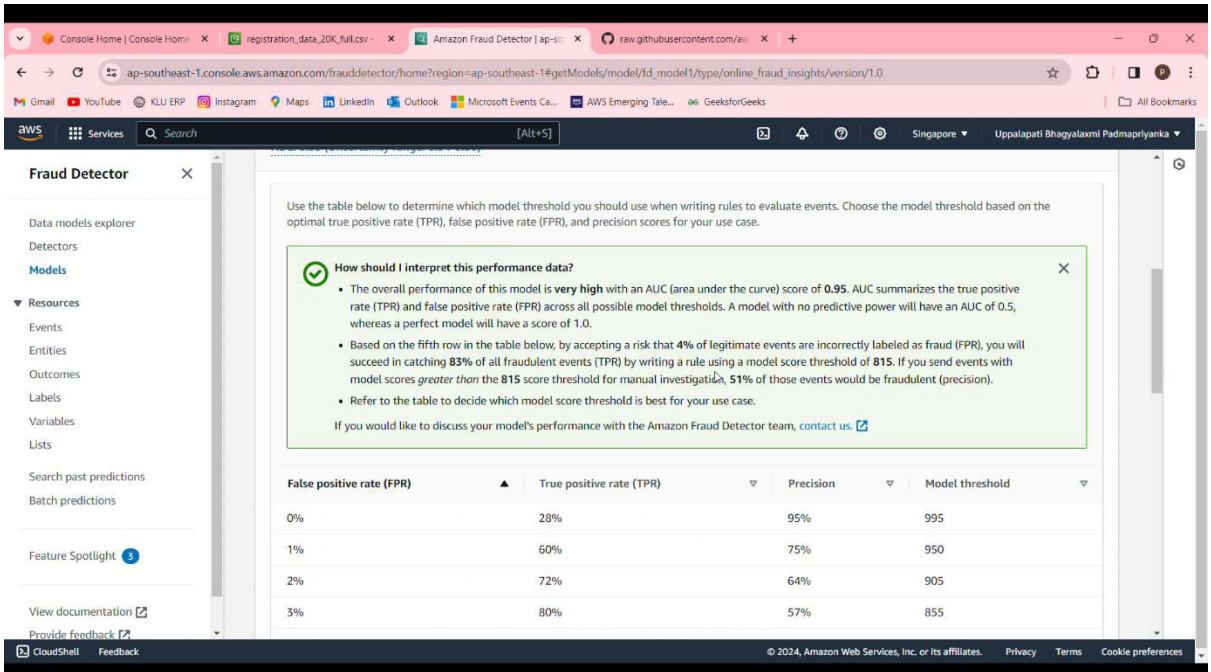
Deploy model version
Deploying this model will make it available to add to detectors for real-time fraud predictions. You will be charged by the hour for on-demand hosting of your deployed model.
Cancel
Deploy version


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
Use the table below to determine which model threshold you should use when writing rules to evaluate events. Choose the model threshold based on the optimal true positive rate (TPR), false positive rate (FPR), and precision scores for your use case.
How should I interpret this performance data?
The overall performance of this model is very high with an AUC (area under the curve) score of 0.95. AUC summarizes the true positive rate (TPR) and false positive rate (FPR) across all possible model thresholds. A model with no predictive power will have an AUC of 0.5, whereas a perfect model will have a score of 1.0.
Based on the fifth row in the table below, by accepting a risk that 4% of legitimate events are incorrectly labeled as fraud (FPR), you will succeed in catching 83% of all fraudulent events (TPR) by writing a rule using a model score threshold of 815. If you send events with model scores greater than the 815 score threshold for manual investigation, 51% of those events would be fraudulent (precision).
Refer to the table to decide which model score threshold is best for your use case.
If you would like to discuss your model's performance with the Amazon Fraud Detector team, contact us.
False positive rate (FPR)
True positive rate (TPR)
Precision
Model threshold
0%
28%
95%
995
1%
60%
75%
950
2%
72%
64%
905
3%
80%
57%
855
CloudShell
Feedback
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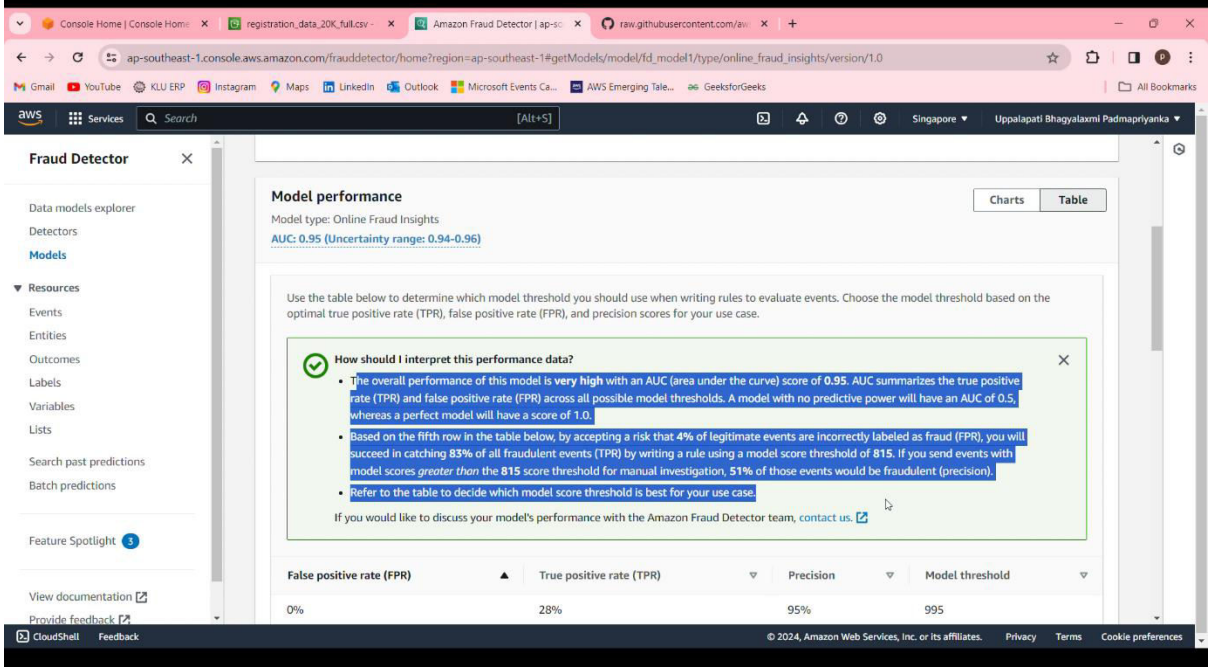
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
Model performance
Model type: Online Fraud Insights
AUC: 0.95 (Uncertainty range: 0.94-0.96)
Charts
Table
Use the table below to determine which model threshold you should use when writing rules to evaluate events. Choose the model threshold based on the optimal true positive rate (TPR), false positive rate (FPR), and precision scores for your use case.
How should I interpret this performance data?
The overall performance of this model is very high with an AUC (area under the curve) score of 0.95. AUC summarizes the true positive rate (TPR) and false positive rate (FPR) across all possible model thresholds. A model with no predictive power will have an AUC of 0.5, whereas a perfect model will have a score of 1.0.
Based on the fifth row in the table below, by accepting a risk that 4% of legitimate events are incorrectly labeled as fraud (FPR), you will succeed in catching 83% of all fraudulent events (TPR) by writing a rule using a model score threshold of 815. If you send events with model scores greater than the 815 score threshold for manual investigation, 51% of those events would be fraudulent (precision).
Refer to the table to decide which model score threshold is best for your use case.
If you would like to discuss your model's performance with the Amazon Fraud Detector team, contact us.
False positive rate (FPR)
True positive rate (TPR)
Precision
Model threshold
0%
28%
95%
995
CloudShell
Feedback
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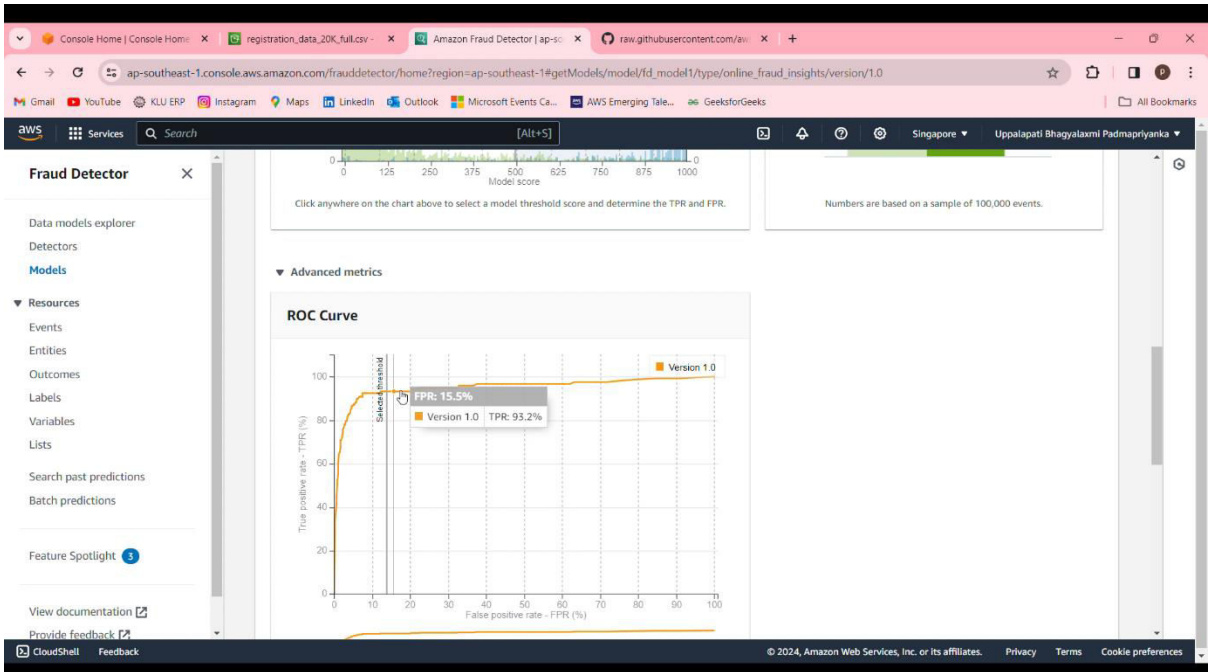
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
View documentation
Provide feedback
Model score
Click anywhere on the chart above to select a model threshold score and determine the TPR and FPR.
Numbers are based on a sample of 100,000 events.
Advanced metrics
ROC Curve
Version 1.0
FPR: 15.5%
Version 1.0 TPR: 93.2%
True positive rate - TPR (%)
False positive rate - FPR (%)
CloudShell
Feedback
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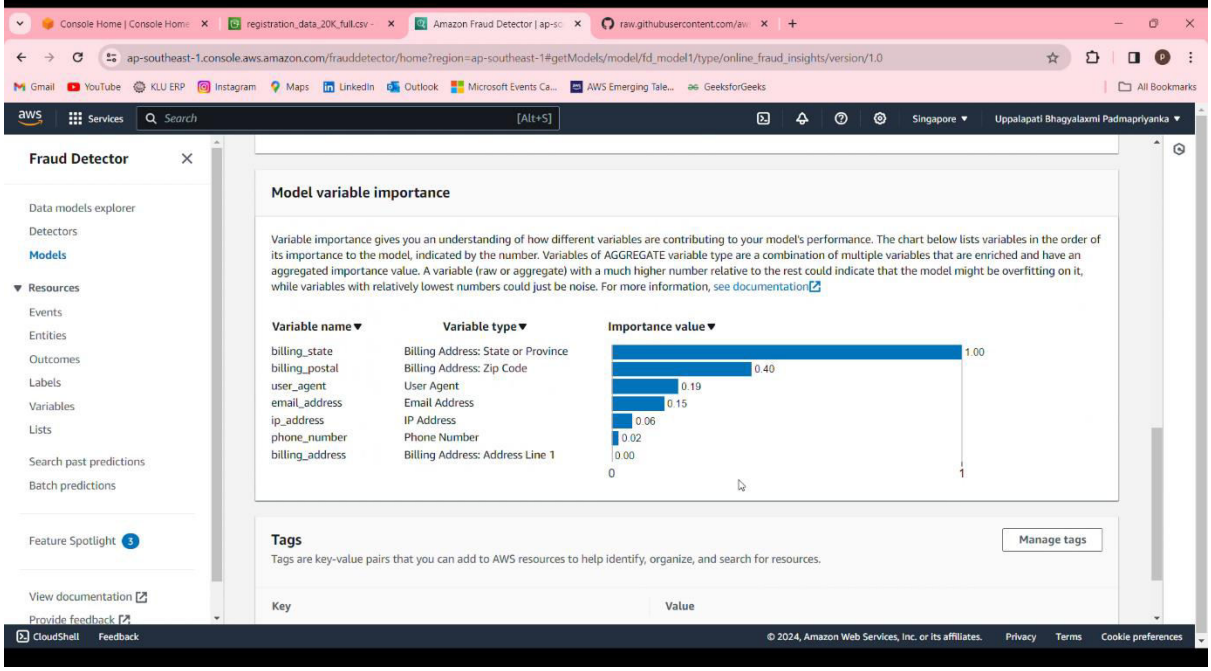
Fraud Detector
Data models explorer
Detectors
Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
View documentation
Provide feedback
Model variable importance
Variable importance gives you an understanding of how different variables are contributing to your model's performance. The chart below lists variables in the order of its importance to the model, indicated by the number. Variables of AGGREGATE variable type are a combination of multiple variables that are enriched and have an aggregated importance value. A variable (raw or aggregate) with a much higher number relative to the rest could indicate that the model might be overfitting on it, while variables with relatively lowest numbers could just be noise. For more information, see documentation
Variable name
Variable type
Importance value
billing_state
Billing Address: State or Province
1.00
billing_postal
Billing Address: Zip Code
0.40
user_agent
User Agent
0.19
email_address
Email Address
0.15
ip_address
IP Address
0.06
phone_number
Phone Number
0.02
billing_address
Billing Address: Address Line 1
0.00
Tags
Manage tags
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Key
Value
CloudShell
Feedback
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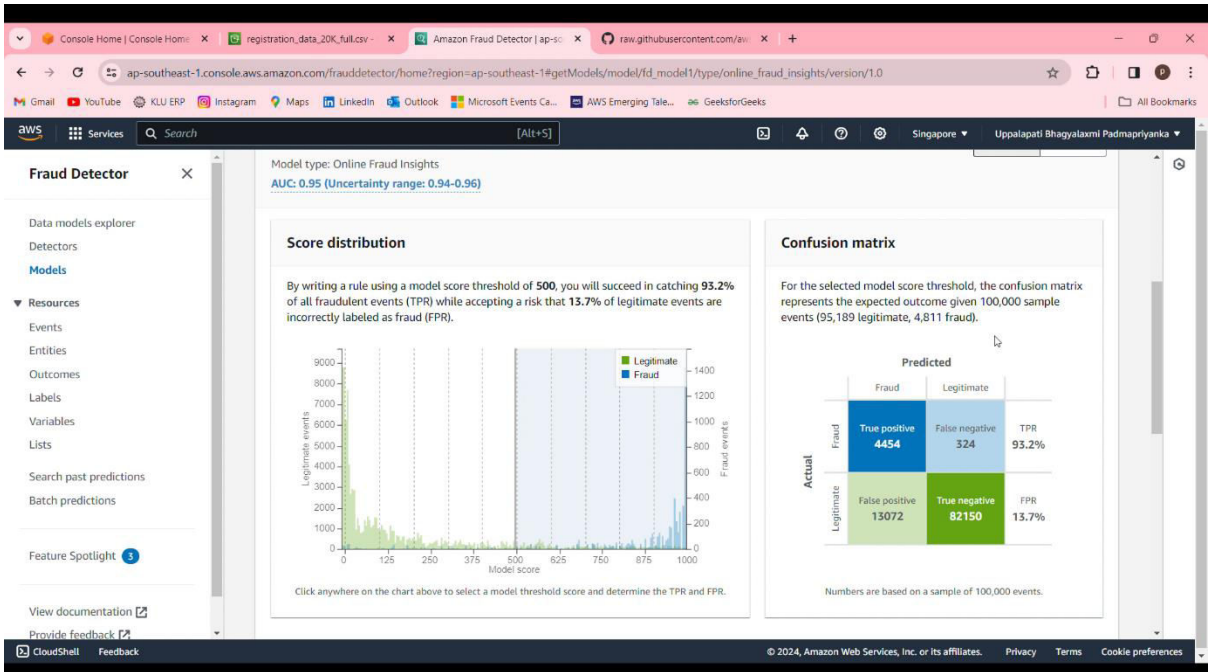
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Data models explorer
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Models
Resources
Events
Entities
Outcomes
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Provide feedback
Model type: Online Fraud Insights
AUC: 0.95 (Uncertainty range: 0.94-0.96)
Score distribution
By writing a rule using a model score threshold of 500, you will succeed in catching 93.2% of all fraudulent events (TPR) while accepting a risk that 13.7% of legitimate events are incorrectly labeled as fraud (FPR).
Legitimate
Fraud
Legitimate events
Fraud events
Model score
Click anywhere on the chart above to select a model threshold score and determine the TPR and FPR.
Confusion matrix
For the selected model score threshold, the confusion matrix represents the expected outcome given 100,000 sample events (95,189 legitimate, 4,811 fraud).
Predicted
Fraud
Legitimate
Actual
True positive
4454
False negative
324
TPR
93.2%
False positive
13072
True negative
82150
FPR
13.7%
Numbers are based on a sample of 100,000 events.
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Feedback
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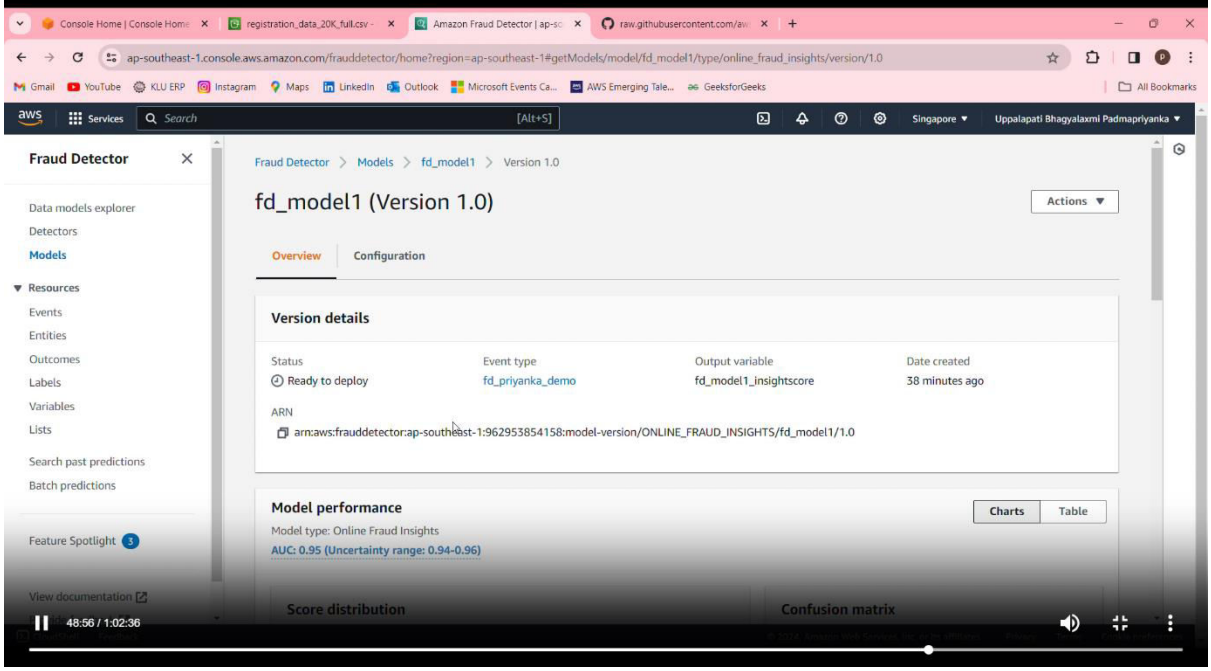
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getModels/model/fd_model1/type/online_fraud_insights/version/1.0
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
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Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
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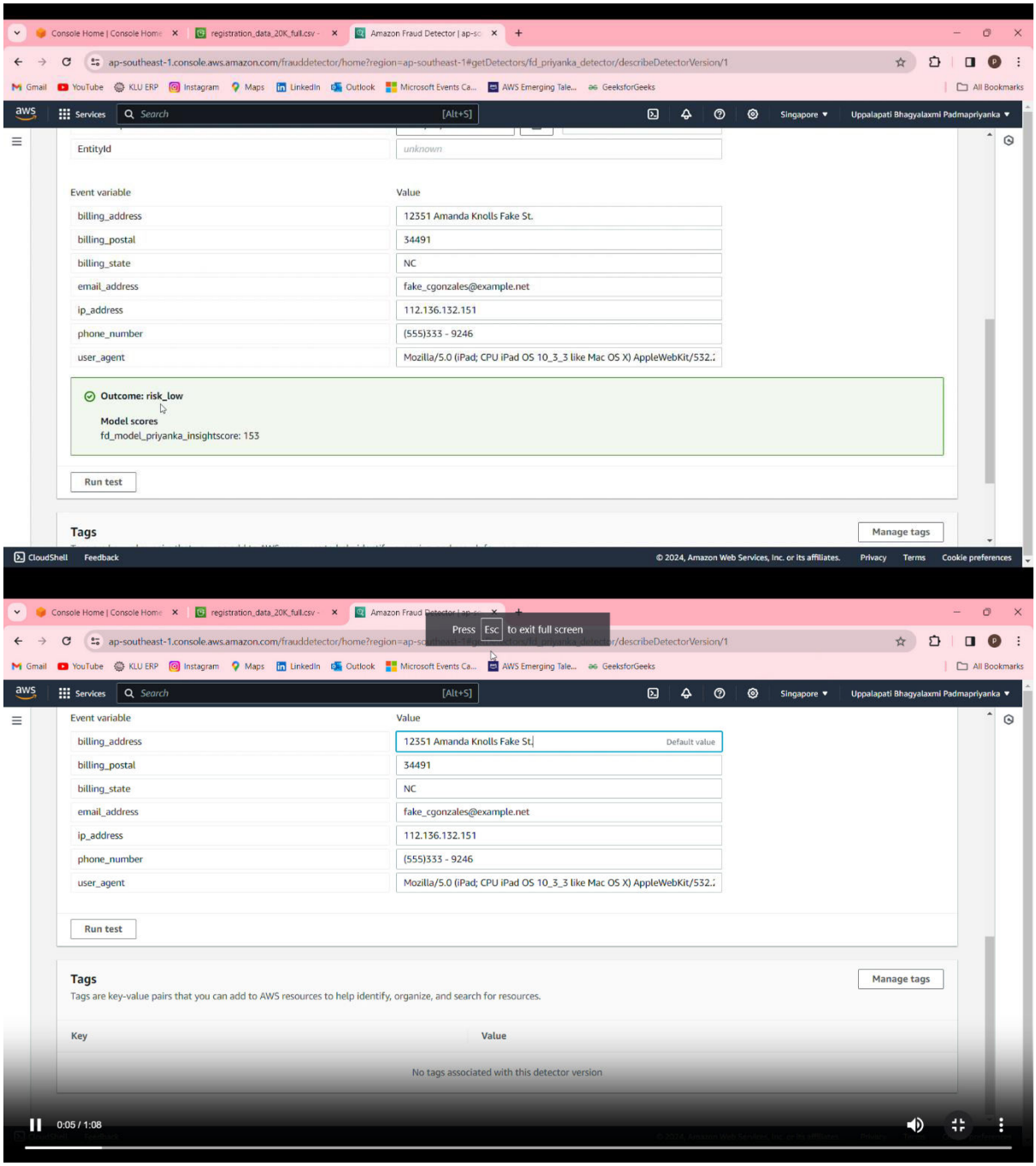
Labels
Variables
Lists
Search past predictions
Batch predictions
Feature Spotlight
3
View documentation
Fraud Detector > Models > fd_model1 > Version 1.0
fd_model1 (Version 1.0)
Actions
Overview
Configuration
Version details
Status
Ready to deploy
Event type
fd_priyanka_demo
Output variable
fd_model1_insightscore
Date created
38 minutes ago
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:model-version/ONLINE_FRAUD_INSIGHTS/fd_model1/1.0
Model performance
Charts
Table
Model type: Online Fraud Insights
AUC: 0.95 (Uncertainty range: 0.94-0.96)
Score distribution
Confusion matrix
48:56 / 1:02:36


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getDetectors/fd_priyanka_detector/describeDetectorVersion/1
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
EntityId
unknown
Event variable
Value
billing_address
12351 Amanda Knolls Fake St.
billing_postal
34491
billing_state
NC
email_address
fake_cgonzales@example.net
ip_address
112.136.132.151
phone_number
(555)333 - 9246
user_agent
Mozilla/5.0 (iPad; CPU iPad OS 10_3_3 like Mac OS X) AppleWebKit/532.
Outcome: risk_low
Model scores
fd_model_priyanka_insightscore: 153
Run test
Tags
Manage tags
CloudShell
Feedback
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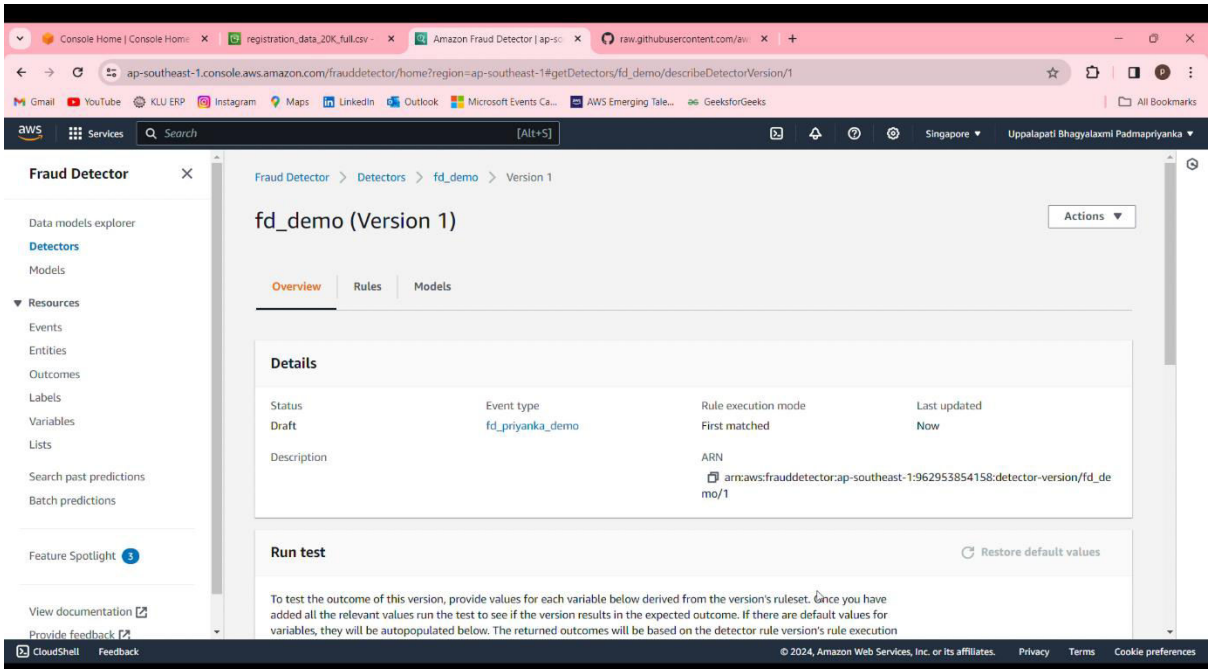
Press Esc to exit full screen
Console Home | Console Home
registration_data_20K_full.csv -
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Event variable
Value
billing_address
12351 Amanda Knolls Fake St.
Default value
billing_postal
34491
billing_state
NC
email_address
fake_cgonzales@example.net
ip_address
112.136.132.151
phone_number
(555)333 - 9246
user_agent
Mozilla/5.0 (iPad; CPU iPad OS 10_3_3 like Mac OS X) AppleWebKit/532.
Run test
Tags
Manage tags
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Key
Value
No tags associated with this detector version
0:05 / 1:08


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getDetectors/fd_demo/describeDetectorVersion/1
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
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Singapore
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Fraud Detector
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Feature Spotlight
3
View documentation
Provide feedback
Fraud Detector > Detectors > fd_demo > Version 1
fd_demo (Version 1)
Actions
Overview
Rules
Models
Details
Status
Draft
Event type
fd_priyanka_demo
Rule execution mode
First matched
Last updated
Now
Description
ARN
arn:aws:frauddetector:ap-southeast-1:962953854158:detector-version/fd_demo/1
Run test
Restore default values
To test the outcome of this version, provide values for each variable below derived from the version's ruleset. Once you have added all the relevant values run the test to see if the version results in the expected outcome. If there are default values for variables, they will be autopopulated below. The returned outcomes will be based on the detector rule version's rule execution
CloudShell
Feedback
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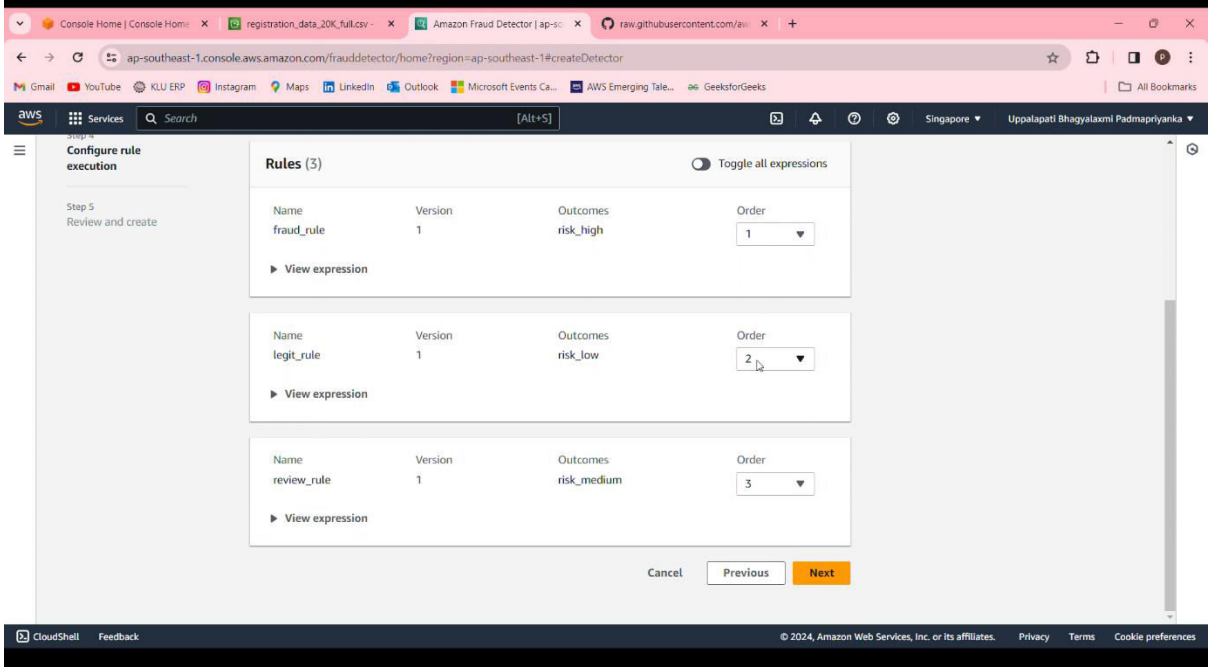
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Configure rule execution
Step 5
Review and create
Rules (3)
Toggle all expressions
Name
Version
Outcomes
Order
fraud_rule
1
risk_high
1
View expression
Name
Version
Outcomes
Order
legit_rule
1
risk_low
2
View expression
Name
Version
Outcomes
Order
review_rule
1
risk_medium
3
View expression
Cancel
Previous
Next
CloudShell
Feedback
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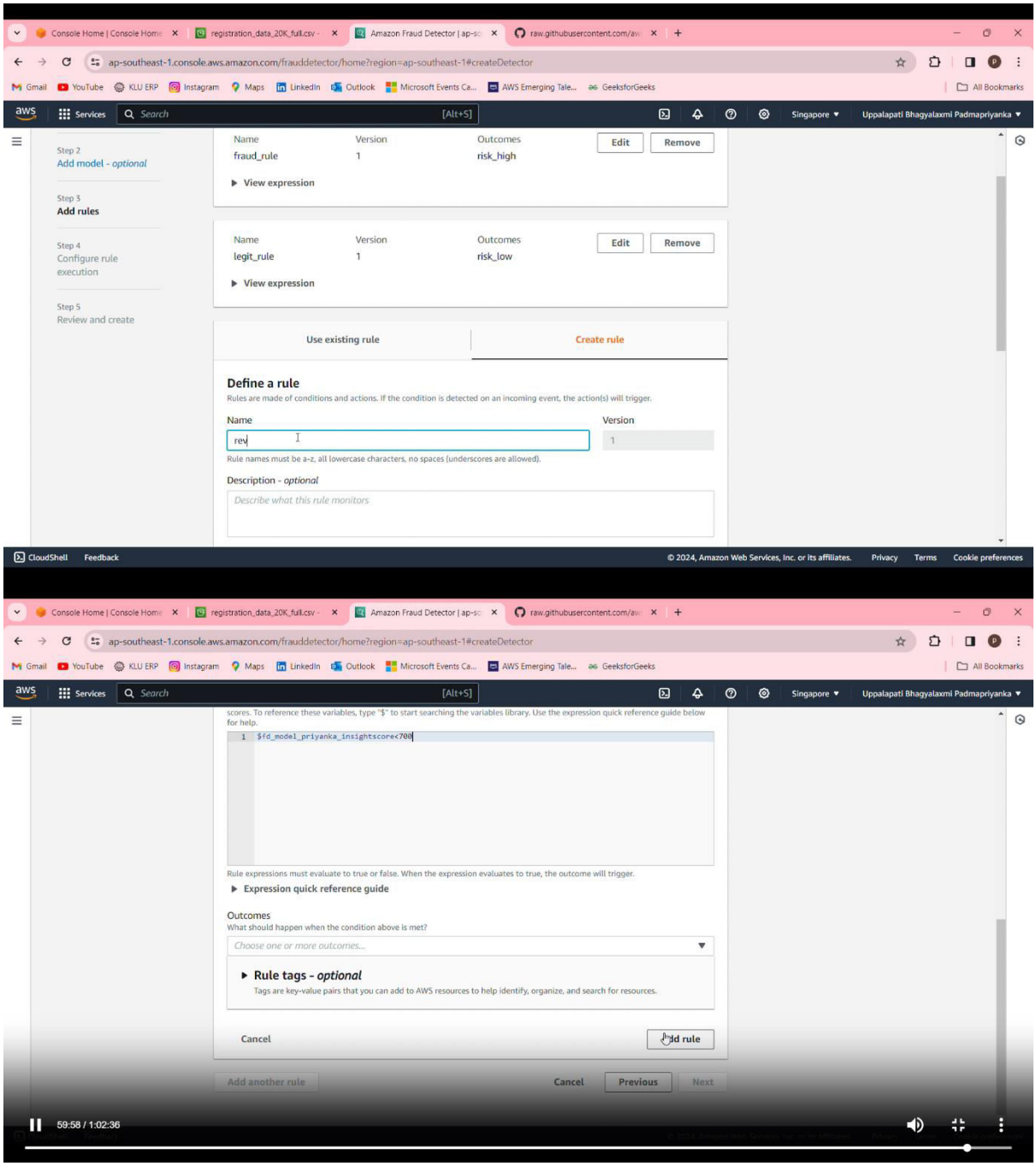
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Step 2
Add model - optional
Step 3
Add rules
Step 4
Configure rule execution
Step 5
Review and create
Name
Version
Outcomes
fraud_rule
1
risk_high
Edit
Remove
View expression
Name
Version
Outcomes
legit_rule
1
risk_low
Edit
Remove
View expression
Use existing rule
Create rule
Define a rule
Rules are made of conditions and actions. If the condition is detected on an incoming event, the action(s) will trigger.
Name
rev
Version
1
Rule names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Describe what this rule monitors
CloudShell
Feedback
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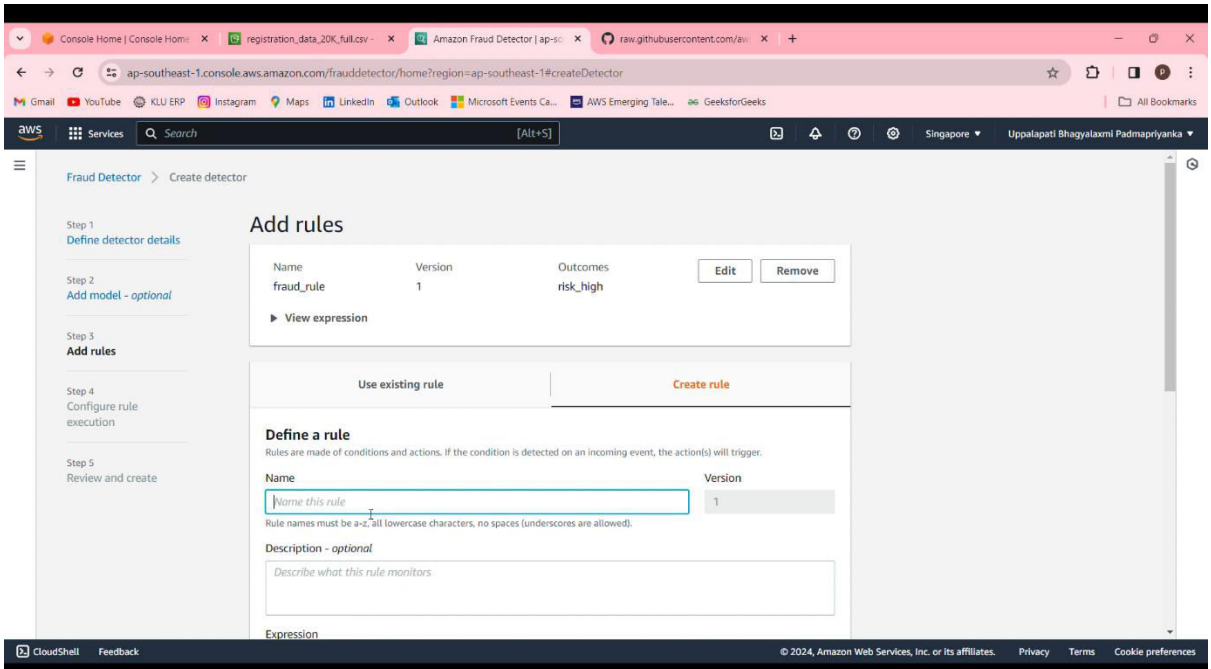
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
scores. To reference these variables, type "$" to start searching the variables library. Use the expression quick reference guide below for help.
1 $fd_model_priyanka_insightscore<700
Rule expressions must evaluate to true or false. When the expression evaluates to true, the outcome will trigger.
Expression quick reference guide
Outcomes
What should happen when the condition above is met?
Choose one or more outcomes...
Rule tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Cancel
Add rule
Add another rule
Cancel
Previous
Next
59:58 / 1:02:36


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector
Create detector
Step 1
Define detector details
Step 2
Add model - optional
Step 3
Add rules
Step 4
Configure rule execution
Step 5
Review and create
Add rules
Name
Version
Outcomes
fraud_rule
1
risk_high
Edit
Remove
View expression
Use existing rule
Create rule
Define a rule
Rules are made of conditions and actions. If the condition is detected on an incoming event, the action(s) will trigger.
Name
Version
Name this rule
1
Rule names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Describe what this rule monitors
Expression
CloudShell
Feedback
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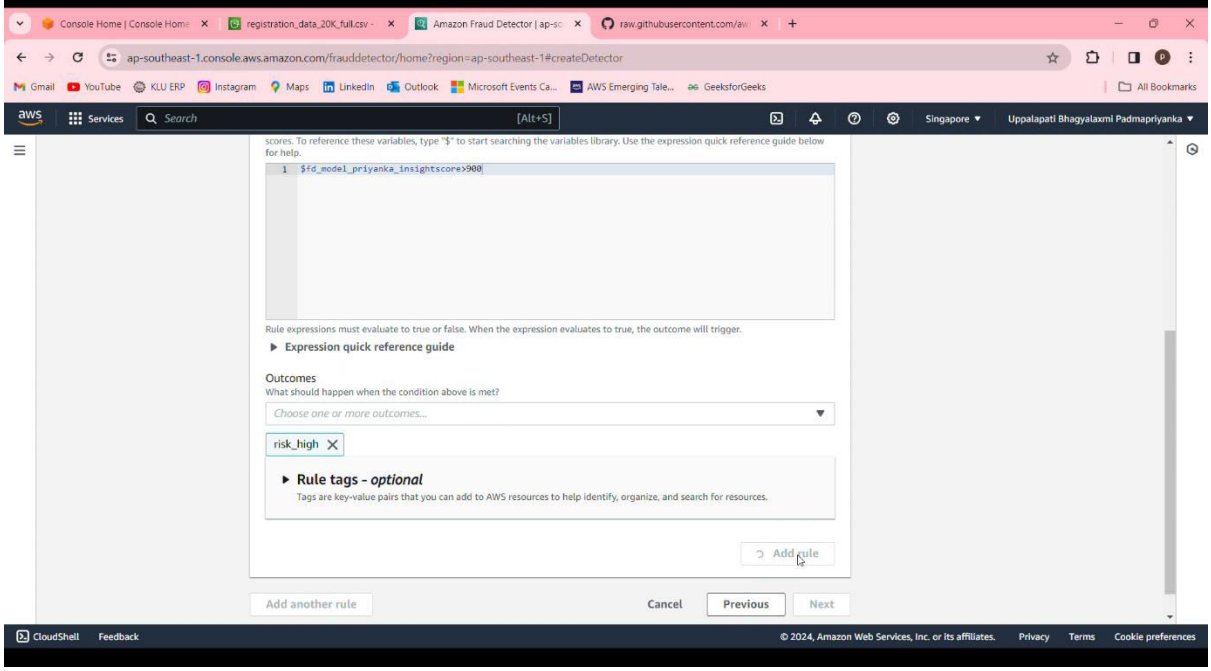
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
scores. To reference these variables, type "$" to start searching the variables library. Use the expression quick reference guide below for help.
1 $fd_model_priyanka_insightscore>900
Rule expressions must evaluate to true or false. When the expression evaluates to true, the outcome will trigger.
Expression quick reference guide
Outcomes
What should happen when the condition above is met?
Choose one or more outcomes...
risk_high
Rule tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Add rule
Add another rule
Cancel
Previous
Next
CloudShell
Feedback
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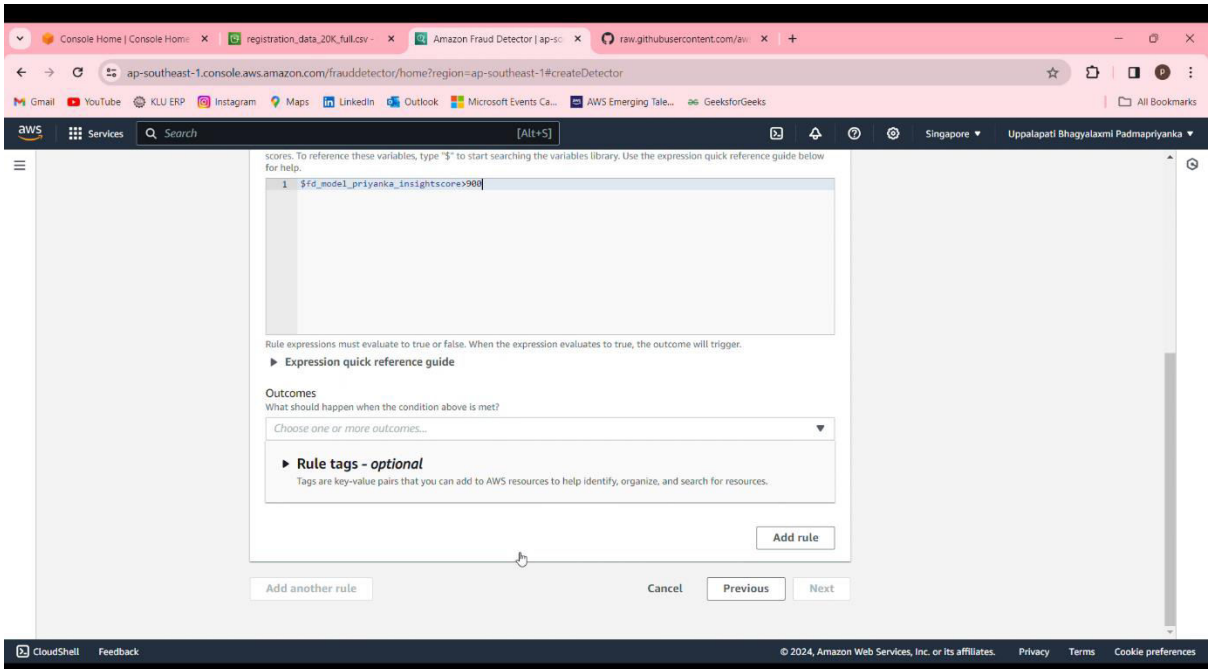
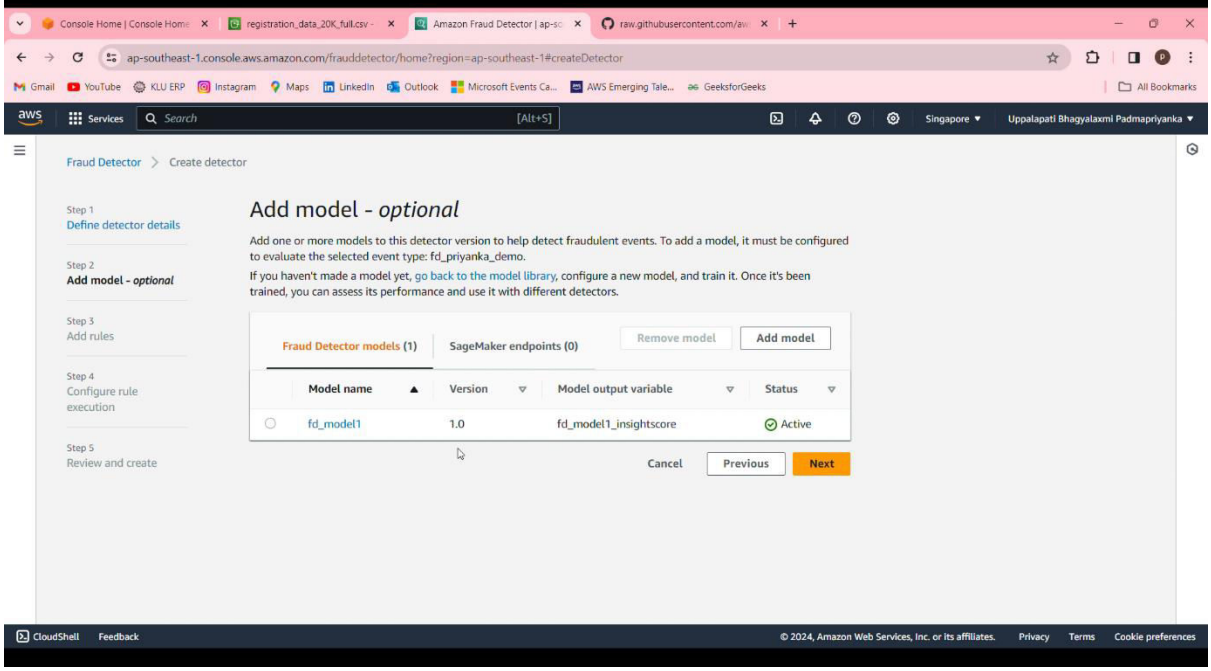

Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
scores. To reference these variables, type "$" to start searching the variables library. Use the expression quick reference guide below for help.
1 $fd_model_priyanka_insightscore>900
Rule expressions must evaluate to true or false. When the expression evaluates to true, the outcome will trigger.
Expression quick reference guide
Outcomes
What should happen when the condition above is met?
Choose one or more outcomes...
Rule tags - optional
Tags are key-value pairs that you can add to AWS resources to help identify, organize, and search for resources.
Add rule
Add another rule
Cancel
Previous
Next
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-sc
raw.githubusercontent.com/aw
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#createDetector
Gmail
YouTube
KLU ERP
Instagram
Maps
LinkedIn
Outlook
Microsoft Events Ca...
AWS Emerging Tale...
GeeksforGeeks
All Bookmarks
aws
Services
Search
[Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector > Create detector
Step 1
Define detector details
Step 2
Add model - optional
Step 3
Add rules
Step 4
Configure rule execution
Step 5
Review and create
Add model - optional
Add one or more models to this detector version to help detect fraudulent events. To add a model, it must be configured to evaluate the selected event type: fd_priyanka_demo.
If you haven't made a model yet, go back to the model library, configure a new model, and train it. Once it's been trained, you can assess its performance and use it with different detectors.
Fraud Detector models (1)
SageMaker endpoints (0)
Remove model
Add model
Model name
Version
Model output variable
Status
fd_model1
1.0
fd_model1_insightscore
Active
Cancel
Previous
Next
CloudShell
Feedback
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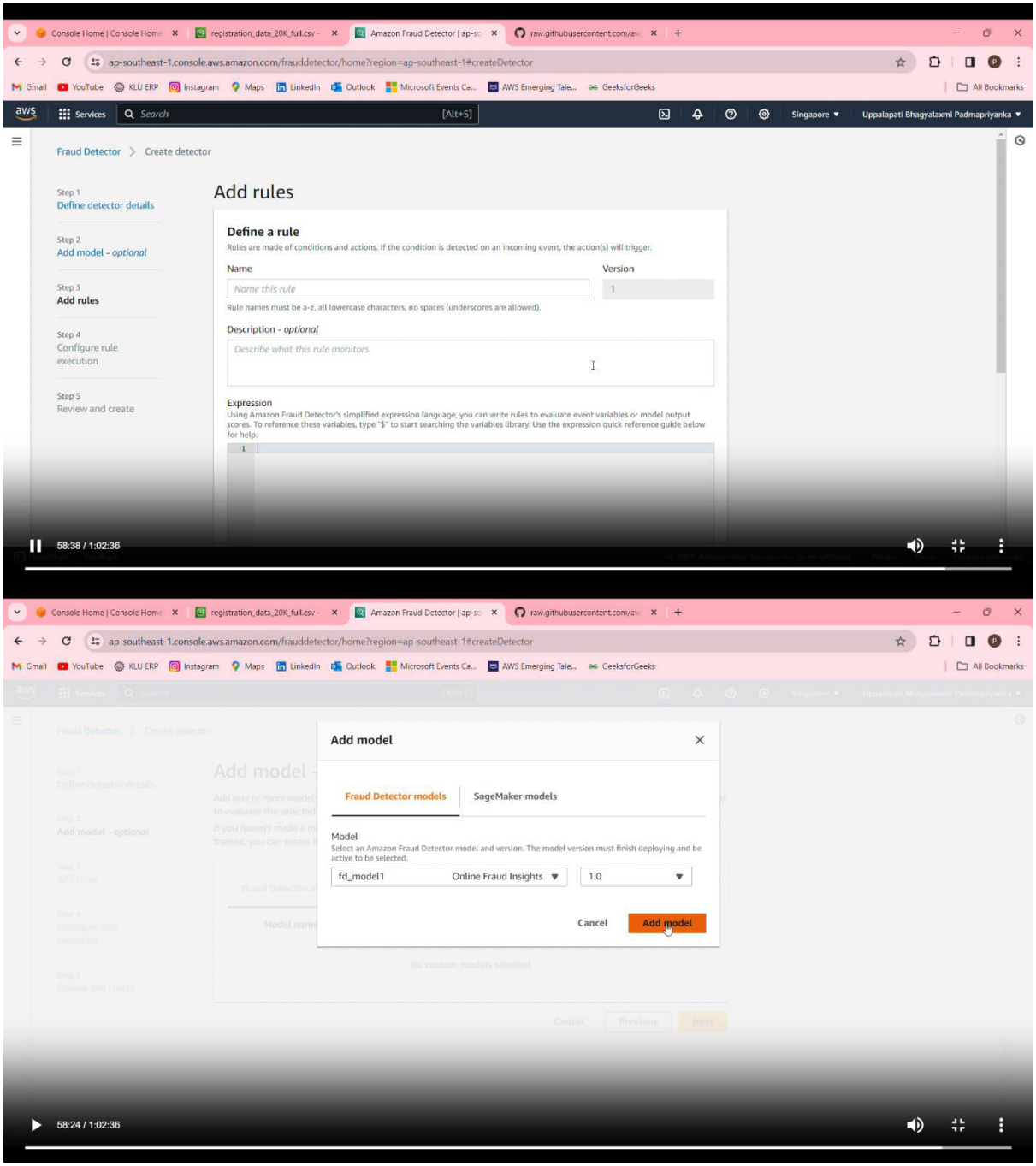
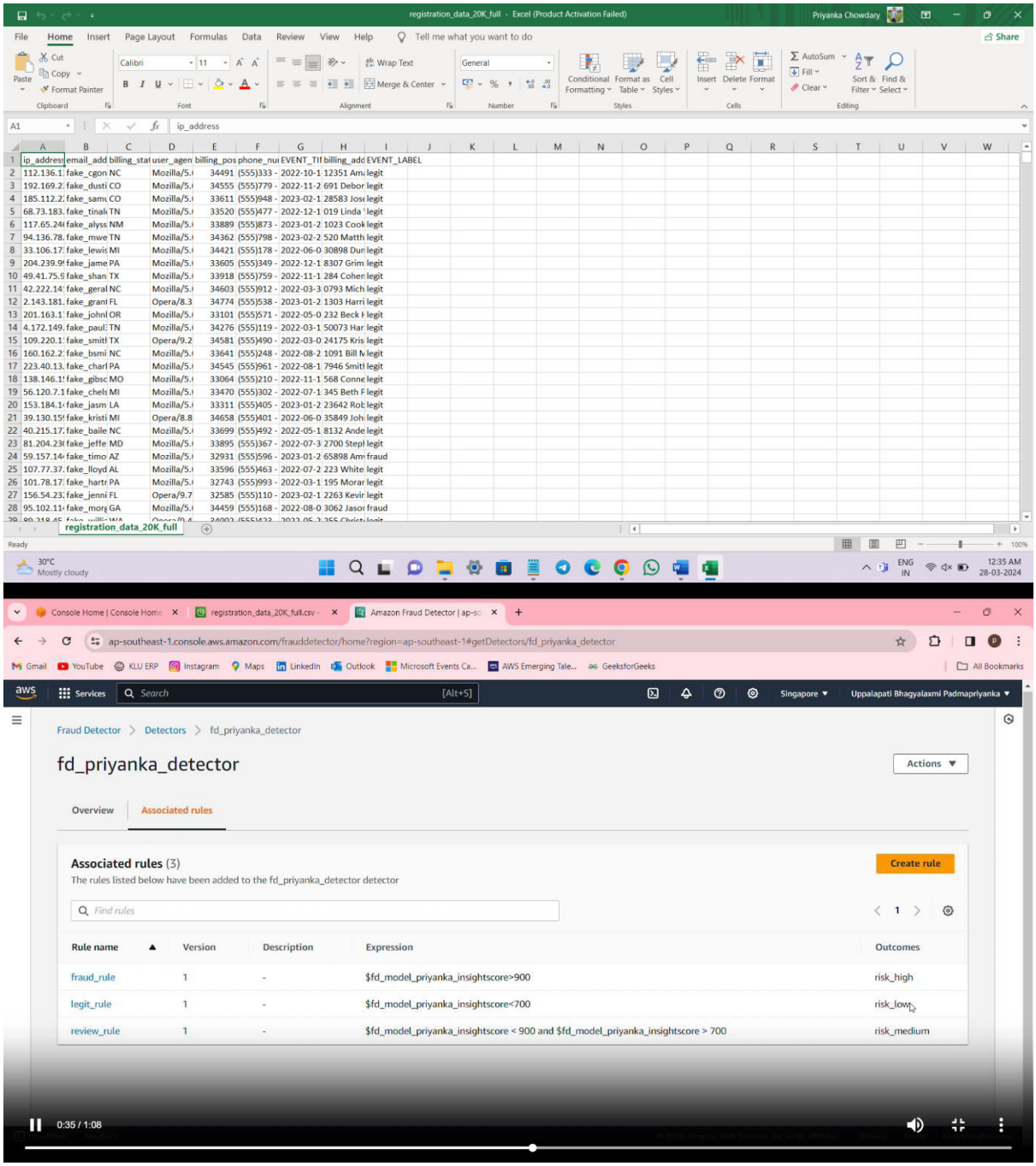
Privacy
Terms
Cookie preferences


Fraud Detector > Create detector
Add rules
Define a rule
Rules are made of conditions and actions. If the condition is detected on an incoming event, the action(s) will trigger.
Name
Version
Name this rule
Rule names must be a-z, all lowercase characters, no spaces (underscores are allowed).
Description - optional
Describe what this rule monitors
Expression
Using Amazon Fraud Detector's simplified expression language, you can write rules to evaluate event variables or model output scores. To reference these variables, type "$" to start searching the variables library. Use the expression quick reference guide below for help.
Step 1 Define detector details
Step 2 Add model - optional
Step 3 Add rules
Step 4 Configure rule execution
Step 5 Review and create
58:38 / 1:02:36

Add model
Fraud Detector models
SageMaker models
Model
Select an Amazon Fraud Detector model and version. The model version must finish deploying and be active to be selected.
fd_model1
Online Fraud Insights
1.0
Cancel
Add model
58:24 / 1:02:36


registration_data_20K_full - Excel (Product Activation Failed)
Priyanka Chowdary
File Home Insert Page Layout Formulas Data Review View Help
Tell me what you want to do
Share
Cut Copy Format Painter Paste
Calibri 11
Wrap Text Merge & Center
General
Conditional Formatting Format as Table Cell Styles
Insert Delete Format
AutoSum Fill Clear Sort & Filter Find & Select
Clipboard Font Alignment Number Styles Cells Editing
A1
ip_address
ip_address email_add billing_stat user_agen billing_pos phone_nu EVENT_TIM billing_add EVENT_LABEL
112.136.1 fake_cgon NC Mozilla/5.(34491 (555)333 - 2022-10-1 12351 Am legit
192.169.2 fake_dusti CO Mozilla/5.(34555 (555)779 - 2022-11-2 691 Debor legit
185.112.2 fake_samt CO Mozilla/5.(33611 (555)948 - 2023-02-1 28583 Jose legit
68.73.183. fake_tinak TN Mozilla/5.(33520 (555)477 - 2022-12-1 019 Linda ' legit
117.65.24 fake_alyss NM Mozilla/5.(33889 (555)873 - 2023-01-2 1023 Cook legit
94.136.78. fake_mwe TN Mozilla/5.(34362 (555)798 - 2023-02-2 520 Matth legit
33.106.17 fake_lewis MI Mozilla/5.(34421 (555)178 - 2022-06-0 30898 Dun legit
204.239.9 fake_jame PA Mozilla/5.(33605 (555)349 - 2022-12-1 8307 Grim legit
49.41.75.9 fake_shan TX Mozilla/5.(33918 (555)759 - 2022-11-1 284 Cohen legit
42.222.14 fake_geral NC Mozilla/5.(34603 (555)912 - 2022-03-3 0793 Mich legit
2.143.181. fake_grant FL Opera/8.3 34774 (555)538 - 2023-01-2 1303 Harri legit
201.163.1 fake_johnl OR Mozilla/5.(33101 (555)571 - 2022-05-0 232 Beck H legit
4.172.149. fake_paul TN Mozilla/5.(34276 (555)119 - 2022-03-1 50073 Har legit
109.220.1 fake_smitl TX Opera/9.2 34581 (555)490 - 2022-03-0 24175 Kris legit
160.162.2 fake_bsmi NC Mozilla/5.(33641 (555)248 - 2022-08-2 1091 Bill M legit
223.40.13. fake_charl PA Mozilla/5.(34545 (555)961 - 2022-08-1 7946 Smitl legit
138.146.1 fake_gibsc MO Mozilla/5.(33064 (555)210 - 2022-11-1 568 Conne legit
56.120.7.1 fake_chels MI Mozilla/5.(33470 (555)302 - 2022-07-1 345 Beth F legit
153.184.1 fake_jasm LA Mozilla/5.(33311 (555)405 - 2023-01-2 23642 Rob legit
39.130.15 fake_kristi MI Opera/8.8 34658 (555)401 - 2022-06-0 35849 Johi legit
40.215.17. fake_baile NC Mozilla/5.(33699 (555)492 - 2022-05-1 8132 Ande legit
81.204.23 fake_jeffe MD Mozilla/5.(33895 (555)367 - 2022-07-3 2700 Stepl legit
59.157.14 fake_timo AZ Mozilla/5.(32931 (555)596 - 2023-01-2 65898 Am fraud
107.77.37. fake_lloyd AL Mozilla/5.(33596 (555)463 - 2022-07-2 223 White legit
101.78.17. fake_hartr PA Mozilla/5.(32743 (555)993 - 2022-03-1 195 Morar legit
156.54.23. fake_jenni FL Opera/9.7 32585 (555)110 - 2023-02-1 2263 Kevir legit
95.102.11 fake_morg GA Mozilla/5.(34459 (555)168 - 2022-08-0 3062 Jasor fraud
registration_data_20K_full
Ready
30°C Mostly cloudy
ENG IN
12:35 AM 28-03-2024
Console Home | Console Home
registration_data_20K_full.csv -
Amazon Fraud Detector | ap-so
ap-southeast-1.console.aws.amazon.com/frauddetector/home?region=ap-southeast-1#getDetectors/fd_priyanka_detector
Gmail YouTube KLU ERP Instagram Maps LinkedIn Outlook Microsoft Events Ca... AWS Emerging Tale... GeeksforGeeks
All Bookmarks
aws Services Search [Alt+S]
Singapore
Uppalapati Bhagyalaxmi Padmapriyanka
Fraud Detector > Detectors > fd_priyanka_detector
fd_priyanka_detector
Actions
Overview
Associated rules
Associated rules (3)
The rules listed below have been added to the fd_priyanka_detector detector
Create rule
Find rules
1
Rule name
Version
Description
Expression
Outcomes
fraud_rule 1 - $fd_model_priyanka_insightscore>900 risk_high
legit_rule 1 - $fd_model_priyanka_insightscore<700 risk_low
review_rule 1 - $fd_model_priyanka_insightscore < 900 and $fd_model_priyanka_insightscore > 700 risk_medium
0:35 / 1:08