

Automation Pathshala The Month of AI

Where Passion Meets Learning



NISARG KADAM

UiPath MVP 2021 & 2022

UiPath Global Hackathon Winner 2020 & 2021

Automation Architect WonderBotz

Weekend YouTuber

Bike Rider / Quarter Litre Racer

I love writing blogs

I love creating travel vlogs

I was a professional dance choreographer



UiPath MVP

Automation Architect WonderBotz





Seasoned UiPath Mentor

Senior Consultant WonderBotz

Certified RPA UiPath Developer

Part-time Trainer for UiPath learners

Ability to handle the end-to-end projects

Interests :

Traveling, Swimming and badminton



UiPath Mentor
Senior Consultant WonderBotz

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WONDERBOTZ

Jayesh Thorat • 1st
RPA Developer, UiPath || Abby Flexicapture || API || AI, Owner of Varad colleg...
5d • Edited •

Can I #detect any #suspicious #object in #restricted #area?

Yes, It is highly possible using #uipath.

Here I have explore the #ai-#ml skills and explains the same with output result..
👍👍

If you also want to learn the same, #join & #follow Automation Pathshala.👉

2nd session was very interesting with "Human Detection" & "Sentiment Analysis" use cases.

Thanks for the session Nisarg Pradeep.. Excited for next session..

Please send us a #recording of session 2.

#AutomationPathshala
#wherepassionmeetslearning
#UiPathCommunity
#MonthOfAI

Vibhor|Syed | Rohit | Harmeet| Manoj | Lahiru | Deepak | Mukesh | Parth | Anmol | Ishmeet | Shubham| Nidhi | Vinodh | Sudheer | Devashish | Rahul | Abu Hurera

#jayeshthorat
#rpadepveloper #processautomation #digitalworkforce #rpastrategy #robotics #usecases #rpa #bot #uipath #uipathcommunity

Problem Statement:- I want to detect any object (person, cat, dog, bag etc..) in resticted area.

Solution:-
1- Navigate to AI Center.
2- Use Object detection package from ML Package.
3- Deploy the same in ML Skills

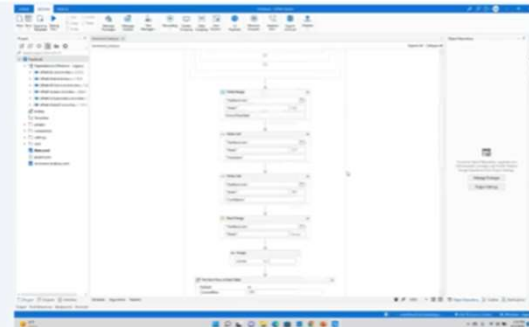
Anandhavalli A • 2nd
Robotic Process Automation | Automation | UiPath | Electro...
1d •

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#AutomationPathshala #UiPathCommunity #MonthofAI #Ennuviz

Nisarg Kadam - Makes it Happen
Pradeep Chinnala

Implementation video of Sentiment Analysis Automation using AI Centre Sentiment Analysis package and ML Skill #ai #automation regarding the Glassdoor review of our Organization



You and 33 others

1 comment

Devansh Sharma • 1st
Software Developer at Provana
5d •

Hello everyone,
My second day at Automation Pathshala 2.0 session, It was an excellent session and we got a chance to get knowledge regarding the ML logics which are implemented on AI Center.
Mainly we discussed today regarding the trained restrainable model under AI Center.
Nisarg Kadam - Makes it Happen had given a walkthrough on Human Detection in Railway Tunnel Use Case.
Pradeep Chinnala designed the Use Case for the Sentiment Analysis based on User Feedback.
Eager to learn more about the AI Center, Machine learning and Artificial Intelligence and looking forward to further sessions!!
P.S:- Before the session, I know YOLO means You only live once, but now I have known another Acronym for it which means You Only Look Once which is an Algorithm for Object Detection :)
Special thanks to Nisarg Kadam - Makes it Happen, Pradeep Chinnala and Vibhor Shrivastava, Automation Pathshala for Sharing the Knowledge and Organizing the Event.
Looking forward to the next session!
Thanks to the sponsors UiPath , UiPath Community , WonderBotz & RPATools.com for such an event.
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#UiPathCommunity
#MonthOfAI
#UiPathAcademy

Sentiment Analysis
Overview
Business Challenge
Every feedback are valuable the statements in order to reduce the workload.

Benefits
Reduced workload
Positive customer

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Vrushali Gave • 1st
Software Test Engineer, RPA Developer
5d • Edited

Here we go...

Day- 02: AI Center OOTB Non-Retrainable Models | Hands-on training with Use-Cases of AI Center Models

Once again it was a great session. Thank you [Automation Pathshala Nisarg Kadam - Makes it Happen](#) [Pradeep Chinnala](#) for training us on real-time scenarios and live code execution.

Got to learn from basic AI Center activation to AI Robot execution. As per the [Nisarg Kadam - Makes it Happen](#) use case, we can save the life of many peoples.

ML Package: Human Detection
Use to find humans in the frame, for example: Avoiding people coming in restricted areas like powerhouse dangerous zone, railway track, near to cash locker and many more so that we can save the life of people and get to know who is there

Here is the full information of the use case: <https://lnkd.in/dwsQfjw>

ML Package: Sentiment Analysis
It gives the resulting base on the reviews. We can provide any kind of review like a restaurant, airline, train, location, hotel, etc. ML model will let you know how much it is good and bad as per the historical reviews given by people.

Thank you once again for mentoring and making it more powerful in the UiPath Automation World.

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Railway Track Intrusion Detection Using UiPath AI Center

Saranya Baskar • 2nd
Process Intelligence, Automation, Conversational AI
5d • Edited

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#AutomationPathshala- #MonthofAI (day2)
Wonderful hands-on experience on 2 Use Case
1) Identifying human in tunnel
2) Sentiment Analysis on Customer Review Feedback.

All thanks to [Nisarg Kadam - Makes it Happen](#) who walked us through the entire workflow on Identifying human in tunnel step by step and [Pradeep Chinnala](#) who actually designed the workflow during the demo and also taught to handle the exceptions.
Waiting for next week sessions.

Thanks to the entire team for this tremendous effort of spreading knowledge to everyone.

#AutomationPathshala #MonthofAI #uipathcommunity

You and 59 others

2 comments

Priyanka Singh • 2nd
UiPath Certified RPA Associate | UiPath RPA Returnship Train...
5d • Edited

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Hello Everyone,
It's all about yesterday's session

AUTOMATION PATHSHALA - The Month of AI Day 2
It was a great session.
Got to learn basic how to create skills in AI Center and execution using AI robot. Hands-on training with Use-Cases of AI Center Models
1. Human Detection
Use to find human from images. It can detect people coming to restricted area and avoid accidents by sending alert signal to supervisors.
2. Sentiment Analysis
Analyze the review of any service and provide the output as positive and negative feedback. This model can be used by any service provider company like restaurant, airline, train, location, hotel etc. ML model will provide you feedback as it is good or bad as per the historical reviews given by people.

#AutomationPathshala #UiPathCommunity #MonthofAI


Tried to put a glimpse of yesterday's session in a clip

Automation Pathshala – 1.0

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Automation Pathshala

8 videos • 3,302 views • Last updated on 9 Nov 2021

Public

No description

 nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 1

3:55:54

nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 2

3:43:39

nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 3

3:34:23

nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 4

3:58:09

nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 5

3:43:36

nisarg kadam

Learn UiPath development foundation from scratch with Automation Pathshala | Nisarg Kadam | Day 6

2:44:57

nisarg kadam

AI Center

AI Center is a service that allows you to deploy, manage, and continuously improve Machine Learning models and consume them within RPA workflows in Studio.



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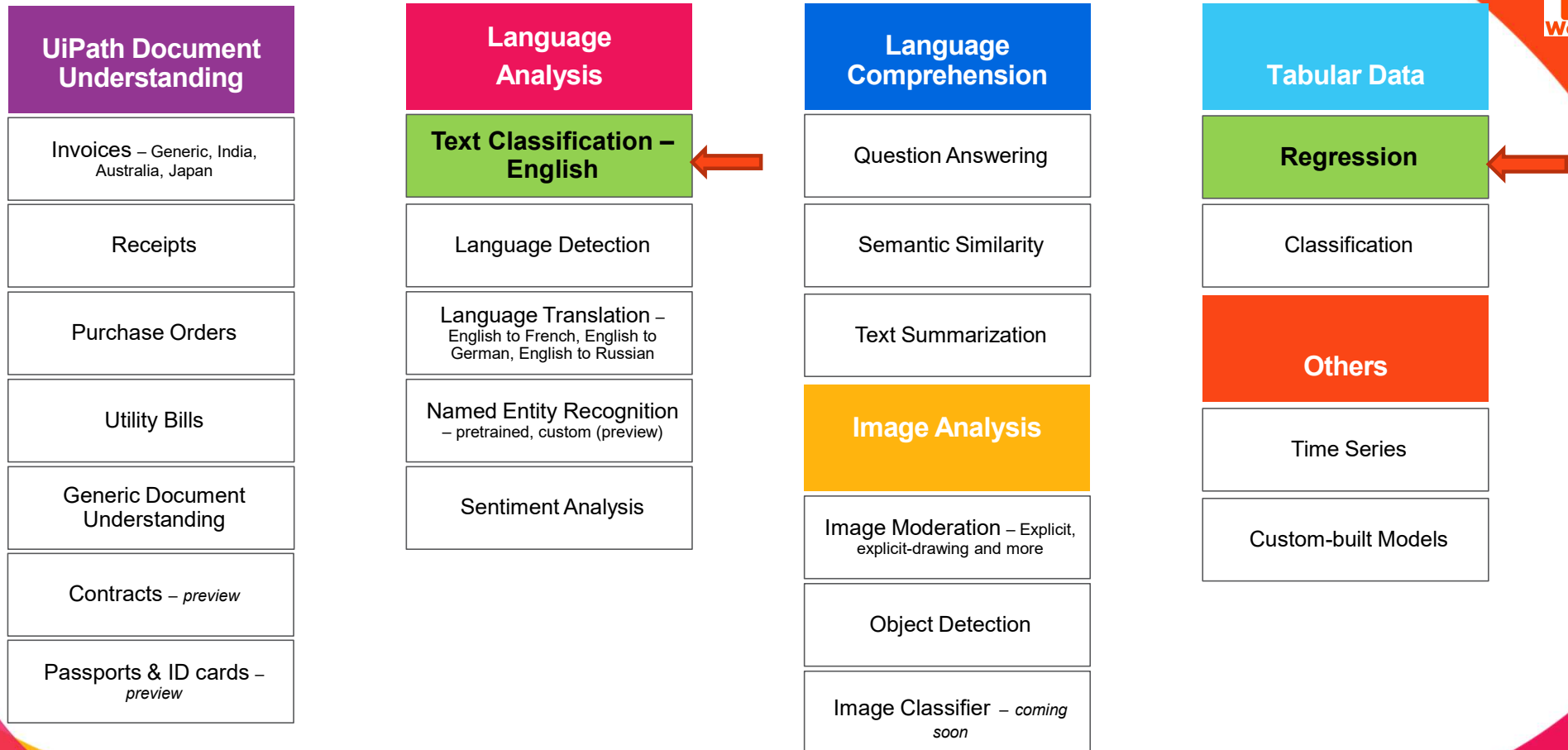
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AI Center offers more than 25 trainable and pre-trained ML models, enabling hundreds of use cases

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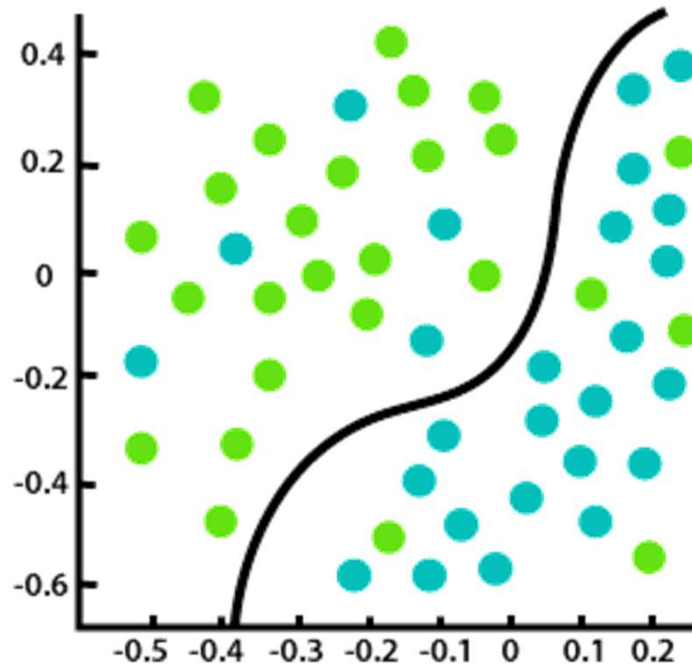
WONDERBOTZ



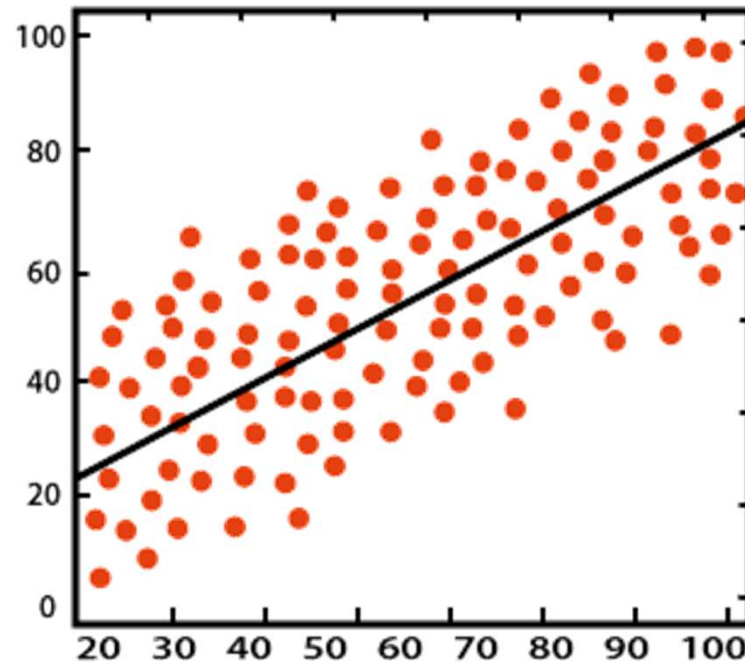
Difference between Classification & Regression

Classification	Regression
<ul style="list-style-type: none">• Classification is the task of predicting a discrete class label• In a classification problem data is labelled into one of two or more classes• A classification problem with two classes is called binary, more than two classes is called a multi-class classification• Classifying an email as spam or non-spam is an example of a classification problem	<ul style="list-style-type: none">• Regression is the task of predicting a continuous quantity• A regression problem requires the prediction of a quantity• A regression problem with multiple input variables is called a multivariate regression problem• Predicting the price of a stock over a period of time is a regression problem

Classification & Regression



Classification



Regression

Reference: JavaTPoint

Example Classification & Regression

Regression



What will be the temperature tomorrow?

84°



Fahrenheit

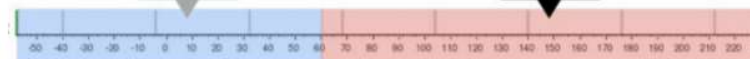
Classification



Will it be hot or cold tomorrow?

COLD

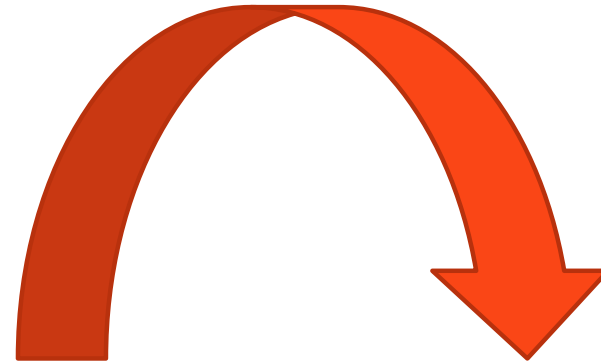
HOT



Fahrenheit

Reference: EnjoyAlgorithms

Today's Usecase



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UiPath™ AI Center

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Reference: EnjoyAlgorithms

Company Profit Prediction using TPOT Auto ML Regression

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Company Profit Prediction

R&D Expense	Administration Expense
<input type="text" value="130298.13"/>	<input type="text" value="145530.06"/>
Marketing Spends	State
<input type="text" value="323876.68"/>	<input type="text" value="Florida"/>

Predict Profit

Predicted Profit

157176.816326059



Demo Time!

English Text Classification

Showcase

Business Challenge

Verify Mails and analyze the statements in order to move the Mails to appropriate folders.

Category: English Text Classification

Business Category: AI

Applications Used

- Outlook
- Excel

Robot Type

Attended



Speaker: Pradeep Chinnala

Benefits

English Text Classification Skill

Optimizing the manual interaction

Segregating the mails

Main Technologies

- AI Center

Industry

- IT

Domain

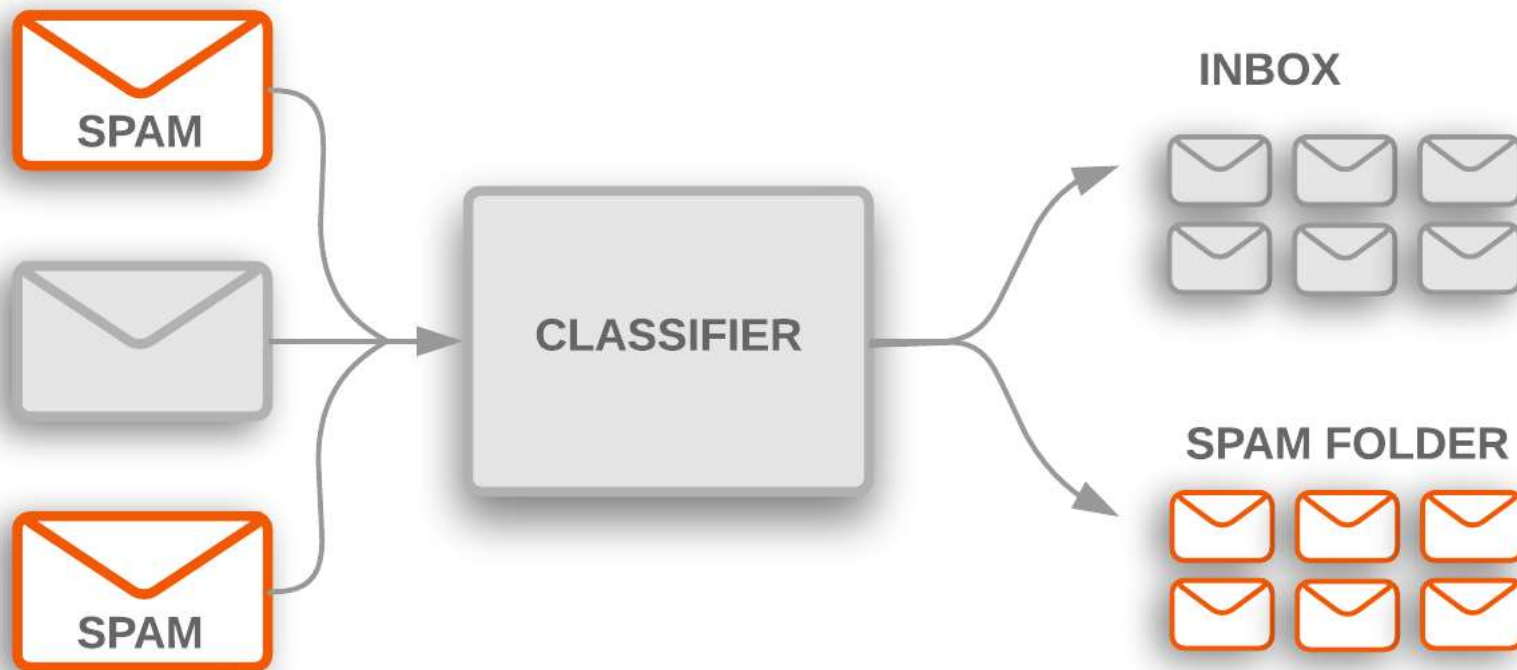
- IT Support

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Example Classification Model



Reference: Google Developers

Demo Time!

➤ Operationalization of AI Center?

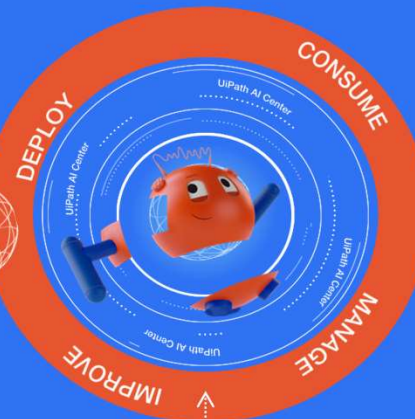
1 Choose a model

Choose a pre-built model
From UiPath

Bring your own model
From your data science teams

Pick a model
From UiPath partners

2 Build an ML Skill in UiPath AI Center

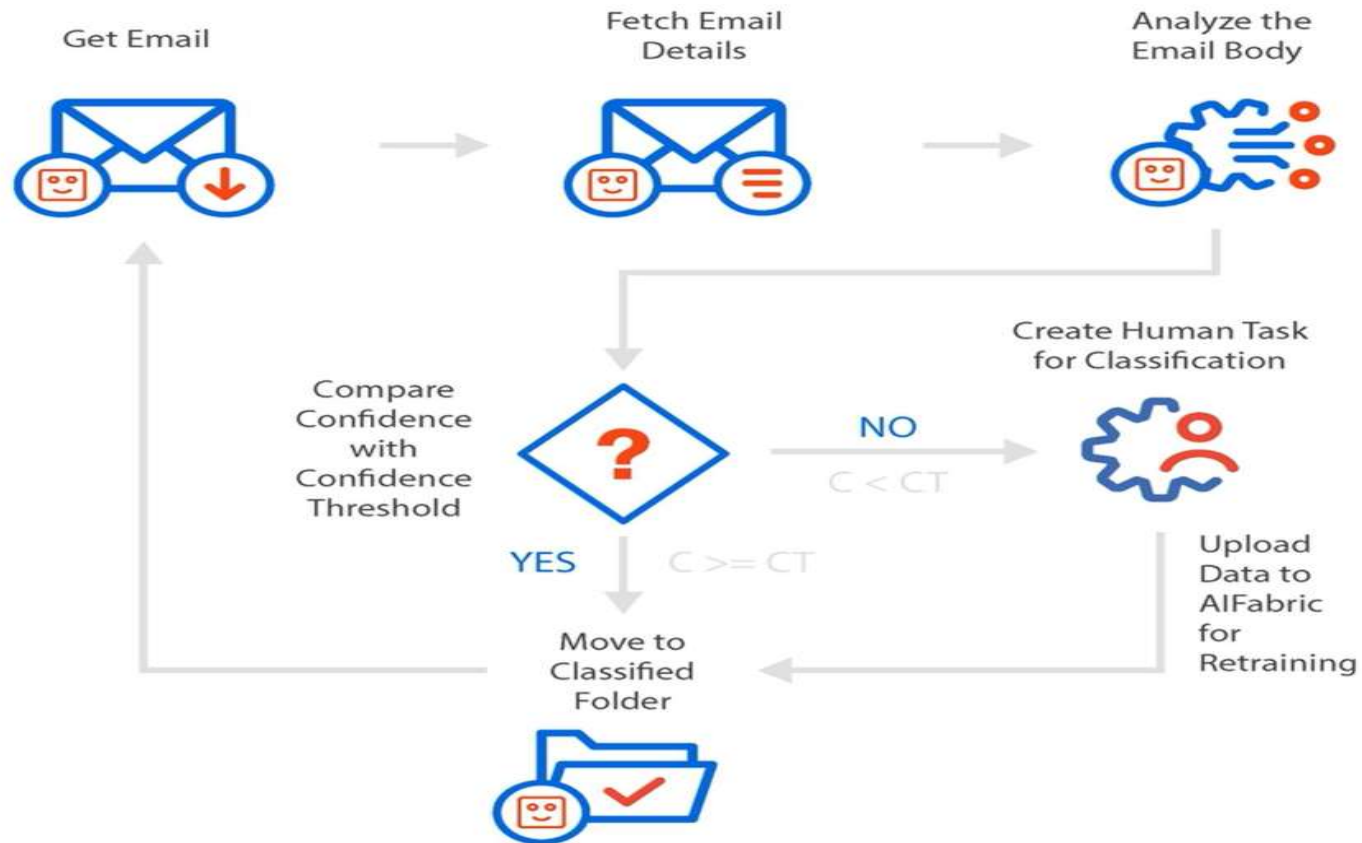


Retrain the model

3 Drag and drop ML Skill into RPA workflows in UiPath Studio



Example with Human in Loop

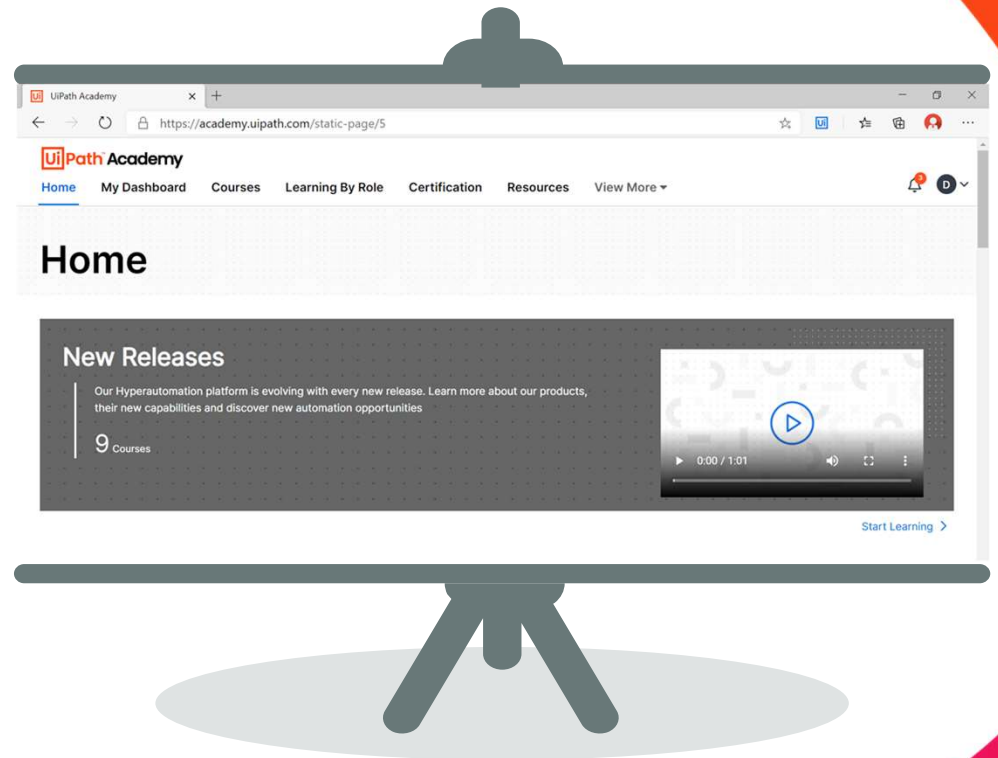


Demo Time!

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- Helps you to progressively build your automation skills with the help of a variety of courses
- Take on-demand courses, enroll in role-based learning paths, and get comprehensive product training.
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How to win by posting your experience of Day 3?

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1. Write a post on LinkedIn – Share your experience of Automation Pathshala – The Month of AI Day 3
2. Tag - @AutomationPathshala @NisargKadam @PradeepChinnala
3. Include Hashtag - #AutomationPathshala #UiPathCommunity #MonthofAI
4. Add a picture of session snap or any slide you liked or the bot that you have built or any reference picture.

We will select top 3 most insightful posts as winners.

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Vibrant ecosystem of nearly **1 million professionals** and **citizen developers** learning, getting support, and succeeding together in their **automation careers**.

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- Start with the free [Community Edition](#) to get trained and certified

Academy

- Learn the skills of the future on [UiPath Academy](#) or through our [Academic Alliance](#)
- Earn globally recognized credentials with [UiPath Certifications](#)

Forum

- Get crowdsourced support and share product feedback on [UiPath Forum](#)
- Check the product [documentation](#)
- Join the [Insider Preview](#) for early testing

Community Events

- Connect with like-minded people and share best practices with the [UiPath Community](#)
- Solve challenges in engaging [hackathon](#) competitions
- Join meetups and [conferences](#)

Blog and Tutorials

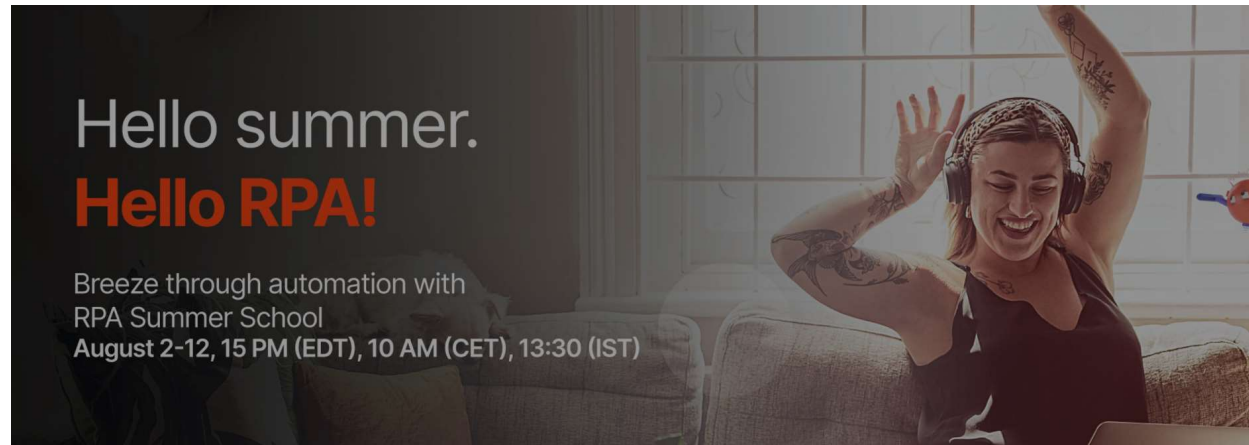
- Access the latest articles and video tutorial content created by community members and UiPath engineers in our [Community Blog](#)
- Contribute as an [author](#).

UiPath Community MVPs

- Get recognized as a Most Valuable Professional ([MVP](#)) or one of the Forum Leaders, based on the contribution to others' growth

[Join the UiPath Community](#)

<https://community.uipath.com/RPASummerSchool/>

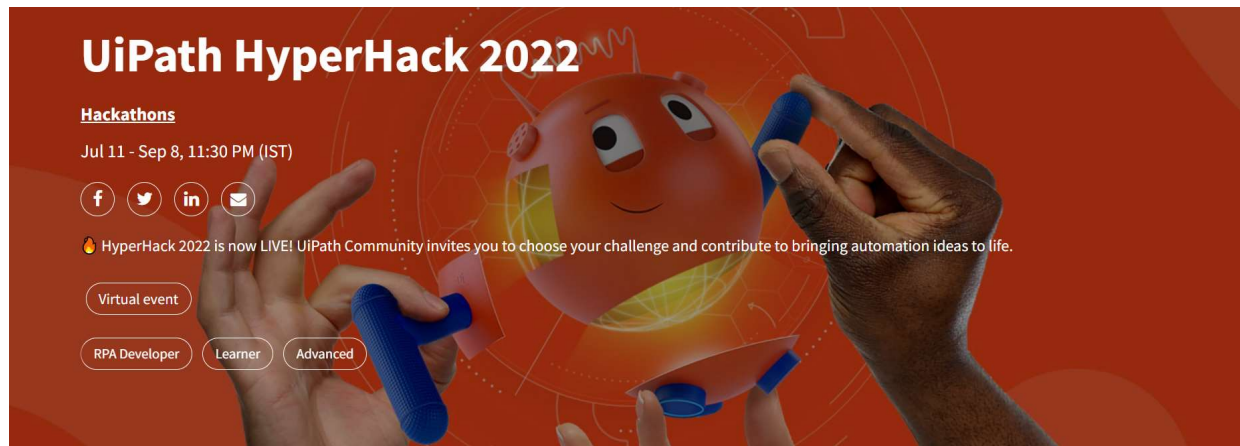


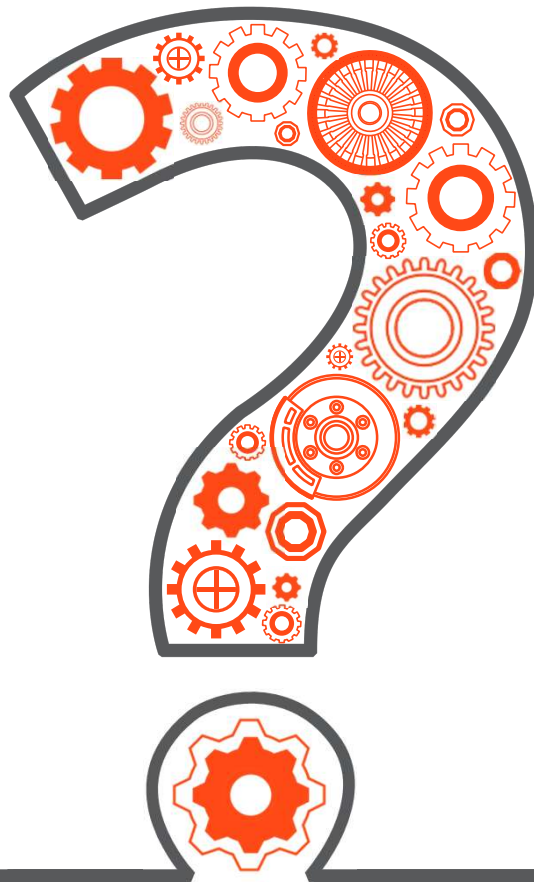
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<https://community.uipath.com/events/details/uipath-hackathons-presents-uipath-hyperhack-2022/>





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