

POWER AUTOMATE WORKFLOWS FOR RPA



Developed by,
Aditya Dhutmal

PowerApps /SharePoint
Online/Microsoft365 /Power
Automate(Microsoft Flow)
Power- Dataverse Pages
(Portal) /
Migration(Sharegate)





AGENDA

- Leave tracker Flow
- Train Flow
- Scheduled Report Flow
- Api Driven Retail finder
- Excel Data Flow to SQL
- REST API Migration

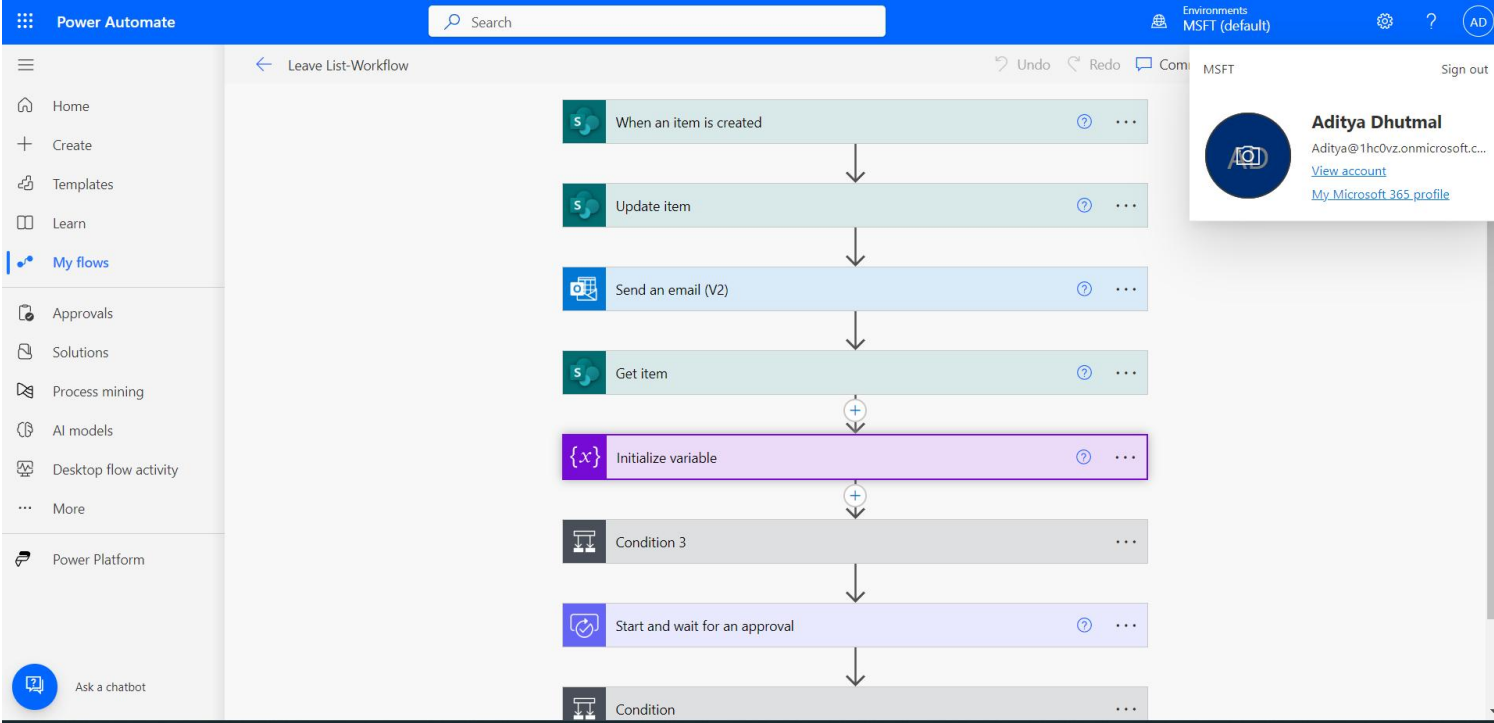


INTRODUCTION

"Welcome to the world of Power Automate Flows! In this presentation, I'll be guiding you through the innovative flows I've developed, streamlining processes, and enhancing productivity within these workflow. Get ready to explore the power of automation and its transformative impact on our day-to-day operations."

Automated Flow: designed and executed an automated SharePoint workflow for leave request management, streamlining approvals and rejections with delegation functionality. This enhanced task management, enabling timely decisions within the organization. The workflow operates across two SharePoint lists, one for leave records and another for managers and delegates. When a user initiates a leave request, the record is saved, and the workflow retrieves relevant managers for approval. It employs 'Initialize Variable' for seamless delegation, ensuring efficient routing. The solution optimizes approval and rejection processes for up to two members and delegates, culminating in result notifications and status updates.

LEAVE TRACKER FLOW



IMPLEMENTATION

SharePoint Search this list

Myntra-Ecom Myntra-HR Logistics Sanpchat-Finance

HR-payroll MH **Myntra-HR**

Documents + New Edit in grid view Share Export Automate Integrate

Shared with us

Notebook

Pages

Subsites

User Details

leave list

out of office

project list

designation list

present list

Workflows

user email	leave type	start date	end date	reason	Status
com				approved or rejected	
cvraman654@gmail.com		8/22/2023	8/14/2023	yummy tummy	Pending
chandrashekher432@gmail.com	vacation	8/23/2023	8/23/2023	this is for rejection	Pending
Success123@gmail.com	vacation	8/23/2023	9/1/2023	Approved request successfully	Approved
reject123@gmail.com	vacation	8/23/2023	8/31/2023	test for rejection of request	Rejected
Level2Approved123@gmail.com	vacation	8/24/2023	8/25/2023	Level 2 Approval	Approved
duggu232@gmail.com	sick	8/15/2023	8/31/2023	Checking VarDef	Approved
hello343@gmail.com	sick	9/27/2023	9/28/2023	hello world	Pending

Connecting...

MSFT Sign out

Aditya Dhutmal
Aditya@1hc0vz.onmicrosoft.c...
[View account](#)
[My Microsoft 365 profile](#)

AD

Sign in with a different account

+ Add column

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move to Quick steps Read / Unread

Favorites

- Inbox 68
- Sent It...
- Drafts
- Add favo...

Folders

- Inbox 68
- Drafts
- Sent It...
- Deleted ...
- Junk Em...
- Archive
- Notes
- Convers...
- Create n...

Focused Other

- AD hello Hello 8/30/2023 DearAditya Dhutmal
- AD Aditya Dhutmal hello Hello 8/30/2023 DearAditya Dhutmal
- AD Aditya Dhutmal hello Hello 8/29/2023 DearAditya Dhutmal
- AD Aditya Dhutmal Level 2 Approved Res... 8/29/2023 dear Dugguour Request for Leave...
- AD Aditya Dhutmal Approved 8/29/2023 dear Dugguour request is approved
- AD Aditya Dhutmal A\Request For Leave 8/29/2023 DearAditya Dhutmal Your Leave ...
- AD Aditya Dhutmal A\Request For Leave 8/29/2023 DearAditya Dhutmal Your Leave ...

request For Leave

AD Aditya Dhutmal To: Aditya Dhutmal

Dear,Aditya Dhutmal Your Leave Request For Start Date:2023-08-15 End Date:2023-08-31 Reason:Checking VarDef Has been Received and currently in Pending State. TEAM HR,Myntra-Infotech

Reply Forward

Power Automate Search

Environments MSFT (default)

Undo Redo Comments Save Flow checker Test

Leave List-Workflow

If yes

- Send an email (V2) 2
- Update item 2
- Start and wait for an approval 2

If no

- Send an email (V2) 3
- Update item 3

Level 2 Approved Response

AD Aditya Dhutmal To: Aditya Dhutmal Tue 8/29/2023 7:01 PM

dear Dugguour Request for Leave has been Approved at Level 2 From, Manager

Reply Forward

Ask a chatbot

Send an email (V2) 2

Update item 2

Start and wait for an approval 2

*Approval type: Approve/Reject - Everyone must approve

*Title: Level 2 Request For Approval

*Assigned to: Approval Level...

Send an email (V2) 3

*To: Created By Email x

*Subject: "Rejected"

*Body: Font 12 B I U Your Leave request has been Rejected

Show advanced options

Update item 3

*Site Address: Myntra-HR - https://1hc0vz.sharepoint.com/sites/Myntra-HR

*List Name: leave list

*Id: ID x

Title

no of days

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move to Quick steps Read / Unread

Favorites

- Inbox 68
- Sent It...
- Drafts
- Add favo...

Folders

- Inbox 68
- Drafts
- Sent It...
- Deleted ...
- Junk Em...

Focused Other

- AD hello Hello 8/30/2023 DearAditya Dhutmal
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Level 2 Approved Response

AD Aditya Dhutmal To: Aditya Dhutmal Tue 8/29/2023 7:01 PM

dear Dugguour Request for Leave has been Approved at Level 2 From, Manager

Reply Forward

Power Automate

Search

Environments
MSFT (default)

Sign out

TrainFlow

PowerApps (V2)

Get items

Create item 2

* Site Address: Myntra-HR - https://1hc0vz.sharepoint.com/sites/Myntra-HR

* List Name: Trainlist

* Title: Title x

train number: train no x

from station: From station x

destination station: To station x

journey date: Date journey x

PassengerEmail: Email x

Show advanced options

Aditya Dhutmal

Aditya@1hc0vz.onmicrosoft.c...

View account

My Microsoft 365 profile

Ask a chatbot

BOOKING

APPLICATION FOR TICKET BOOKING

Title:

Train No:

From station:

To station:

Journey date:

Email:

Submit

Support: Contact us, Grievance

Useful Links: Libraries, Your Account

Sign up

TRAIN FLOW

SharePoint

Search this list

Myntra-Ecom Myntra-HR Logistics Sanpchat-Finance

HR-payroll

MH Myntra-HR

Private group Not following 2 members

+ New Edit in grid view Share Export Automate Integrate

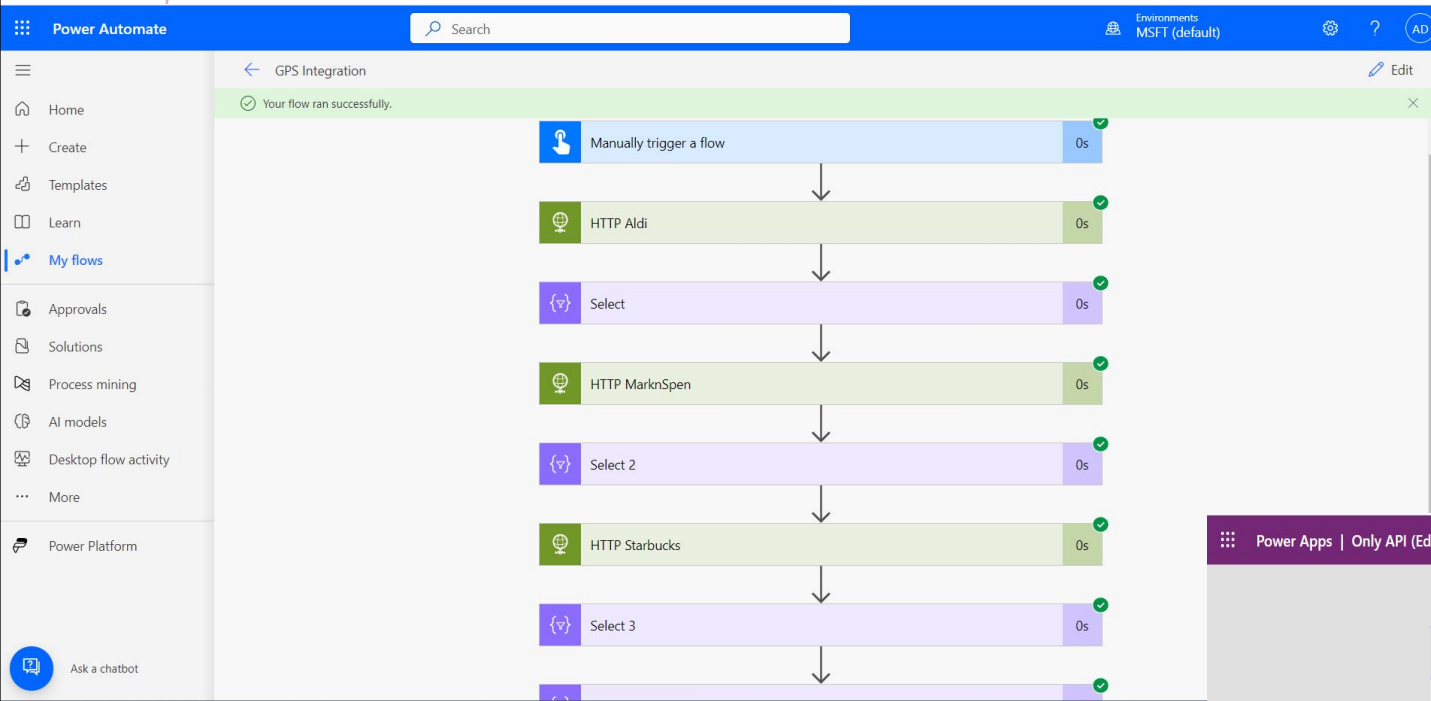
Trainlist

Title	ID	train number	from station	destination stat...	journey date	PassengerEmail
RahulGandhi	1	076078	Bangalore	Delhi	12/12/12	Rahul323@gmail.com
RahulGandhi	2	076078	Bangalore	Delhi	12/12/12	Rahul323@gmail.com
Amit Shah	3	Patna JN	12/32/43	Hazrat Nizamuddin	AmitShah545@gmail.co m	127123
Narendra	4	123455	Deharadunn	Secundereabad	14/15/2023	Narendra234@rediffmai l.com
Mamtaa	5	12323	Jabalpur	Dhanbad	12-12-43	Mamtaa232@gmail.com
RaghavChaddha	6	8784abcd	western233	nonsense123	12-12-43ac	Mamtaa232@gmail.
k Annamali	7	123123	Ernakulum	Guntur	12-12-14	Annamalai123@gmail.co. uk

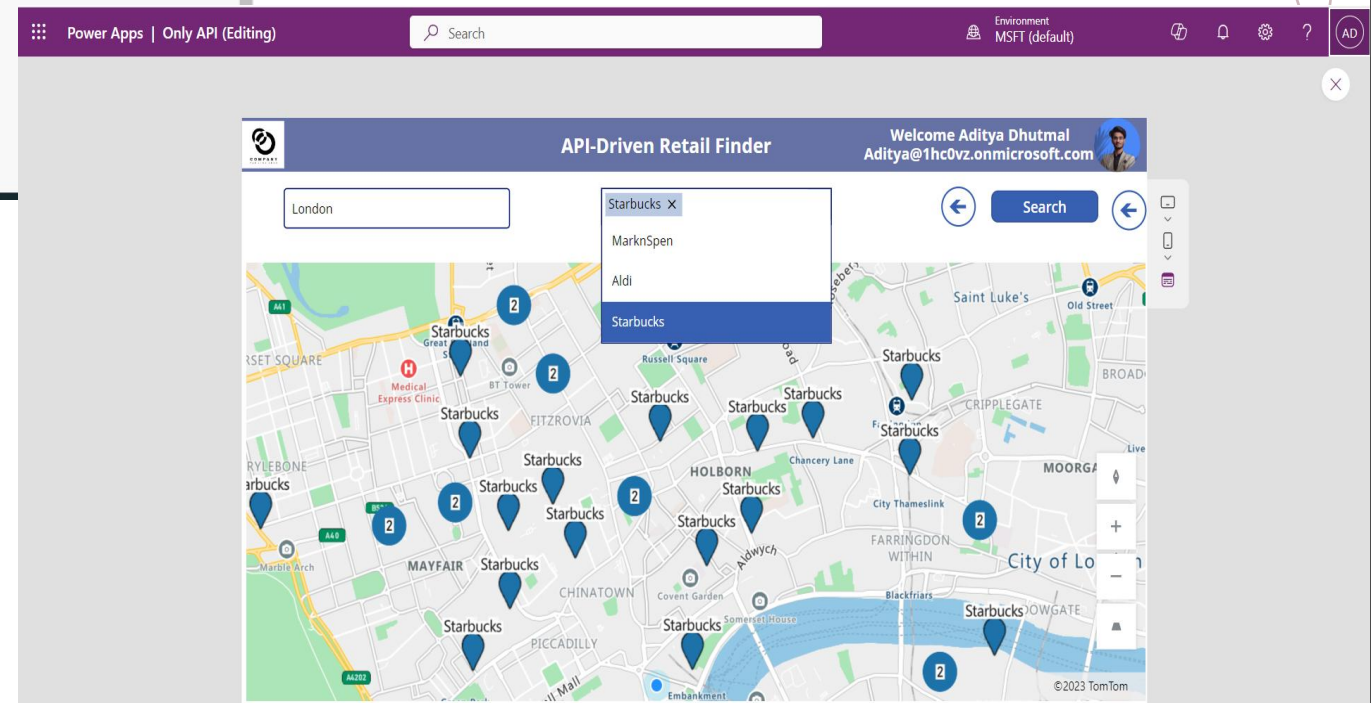
TrainManagers

it features an Instant Flow in Power Apps triggered by a user-clicked button. It harmonizes data types between Power Apps and SharePoint columns, orchestrates a 'Get Items' action for data retrieval, and efficiently 'Creates Items' in SharePoint while ensuring data integrity. This project introduces a streamlined ticket booking system where users can effortlessly request and input data. When the flow is triggered, it captures essential details such as 'Train Number,' 'Email,' 'Source Station,' 'Destination Station,' and 'Status,' with matching columns and data types created in SharePoint. This ensures a seamless, standardized data flow, enhancing the ticket booking experience, further process includes intimidating user about status change via Send an

API DRIVEN RETAIL FINDER



Developed a seamless integration of Power Apps and Power Automate flow, driven by the Bing Map connector, together real-time data from the API endpoints of Starbucks, Mark & Spencer, and Aldi. Users can enter a city, choose as store, and immediately access precise results, similar to Bing and Google Maps



RESPONSE

Power Apps | Only API (Editing)

Search

Environment: MSFT (default)

Back, Forward, Insert, Open Sans, 15, Semibold, Color, ...

OnSelect = fx

```
Set(gblSearch,BingMaps.GetLocationByAddress({locality:txtSearch.Text}));
ClearCollect(colShops,GPSIntegration.Run(txtSearch.Text,gblSearch.point.coordinates.latitude & "," & gblSearch.point.coordinates.longitude))
```

Tree view

Screens Components

Search

New screen

App

Screen1

- Button1_2
- Button1
- Label1_2
- Label1_1
- Label1

Screen2

Screen3

- Arrow1_1
- Arrow1
- Image2
- Label3_2
- Label3_1

Screen3 Button2

gblSearch.point.coordinates.latitude & "," & gblSe... = 51.50682449;-0.12611847 Data type: text

Format text Remove formatting Find and replace

Visible On

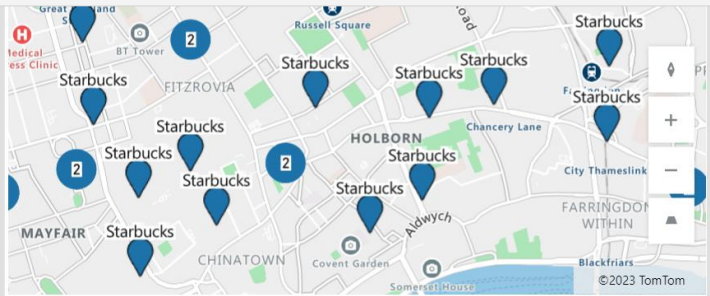
Position X 1132 Y 95

Size Width 160 Height 40

Padding Top 5 Bottom 5 Left 5 Right 5

Color A

Border 2



AD

Aditya Dhutmal

Aditya@1hc0vz.onmicrosoft.c...

[View account](#)

[Switch directory](#)

...

Power Automate

Search

Environments: MSFT (default)

Home, Create, Templates, Learn, My flows, Approvals, Solutions, Process mining, AI models, Desktop flow activity, More, Power Platform

Ask a chatbot

Waiting for noam.events.data.microsoft.com...

GPS Integration

Your flow ran successfully.

Schema

```
{
  "phone": "02077347632",
  "lat": 51.5103,
  "long": -0.13912,
  "storetype": "Starbucks"
}
```

OUTPUTS

Show raw outputs

Status code

200

Body

```
{
  "id": "2888",
  "name": "Vigo Street",
  "phone": "02077347632",
  "lat": 51.5103,
  "long": -0.13912,
  "storetype": "Starbucks"
}
```

AD

Aditya Dhutmal

Aditya@1hc0vz.onmicrosoft.c...

[View account](#)

[My Microsoft 365 profile](#)

The top-left screenshot shows the Microsoft Power Automate 'Summary-Task-Flow' canvas. The flow starts with a 'Recurrence' trigger, followed by a 'Get items' action, then three 'Initialize variable' actions (labeled 'Initialize variable', 'Initialize variable 4', and 'Initialize variable 2'). This is followed by an 'Apply to each' loop containing an 'Initialize variable 3' action, and finally a 'Compose' action. The top-right screenshot shows the OneDrive 'Summary-Report' file view. It displays a table with columns: Name, Modified, Modified By, File size, Sharing, and Activity. A single file, 'Report1.html', is listed with a modification date of September 29 and a size of 473 bytes.

The bottom screenshot shows the Outlook email interface. The 'Summary Reports' email from Aditya Dhutmal is open, featuring an attachment named 'Report1.pdf' (22 KB). The email body contains the text: 'Dear Aditya, Find below the total summary report genereated monthly and let know,'. The left sidebar shows the 'Inbox' with 61 items, and the 'Focused' tab is active, displaying a list of recent emails.

SCHEDULE SUMMARY REPORT

implemented schedule flow automates monthly reporting to a manager. It collects data from SharePoint columns, calculates totals, composes an HTML report, converts it into a PDF, and sends it as an email attachment to the manager with a subject line summarizing the report's contents.

EFFICIENT AUTOMATION: STREAMLINING EXCEL TO SQL DATA TRANSFER USING POWER AUTOMATE AND DATA GATEWAY

Power Automate | Search | Environments: MSFT (default) | Sign out

← Excel-Trigger

✓ Your flow ran successfully.

Manually trigger a flow 0s

List rows present in a table 1s

Apply to each 54s

Previous < Previous failed Show 1 of 21 Next failed > Next >

Insert row (V2) 2s

INPUTS

Server name
Use connection settings (LAPTOP-RLJ87Q)

Database name
Use connection settings (PA_Test)

Table name
Emp

Ask a chatbot

SQLQuery4.sql - LAPTOP-RLJ87Q:PA_Test (Aditya (54)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

PA_Test Execute

Object Explorer

- Connect
- LAPTOP-RLJ87Q (SQL Server 16.0.1000)
 - Databases
 - System Databases
 - Database Snapshots
 - Attendance Management System
 - Excel-Import
 - PA_Test
 - Security
 - Server Objects
 - Replication
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

SQLQuery4.sql - LAP..._Test (Aditya (54))

```
IF DB_ID('PA_Test') IS NULL
BEGIN
    Create Database PA_Test
END
ELSE
BEGIN
    PRINT 'Database Exists'
END
GO
USE PA_Test
GO
IF EXISTS (SELECT * FROM INFORMATION_SCHEMA.TABLES
WHERE TABLE_NAME = N'Emp')
BEGIN
    PRINT 'Table exists.'
```

121 %

Results Messages

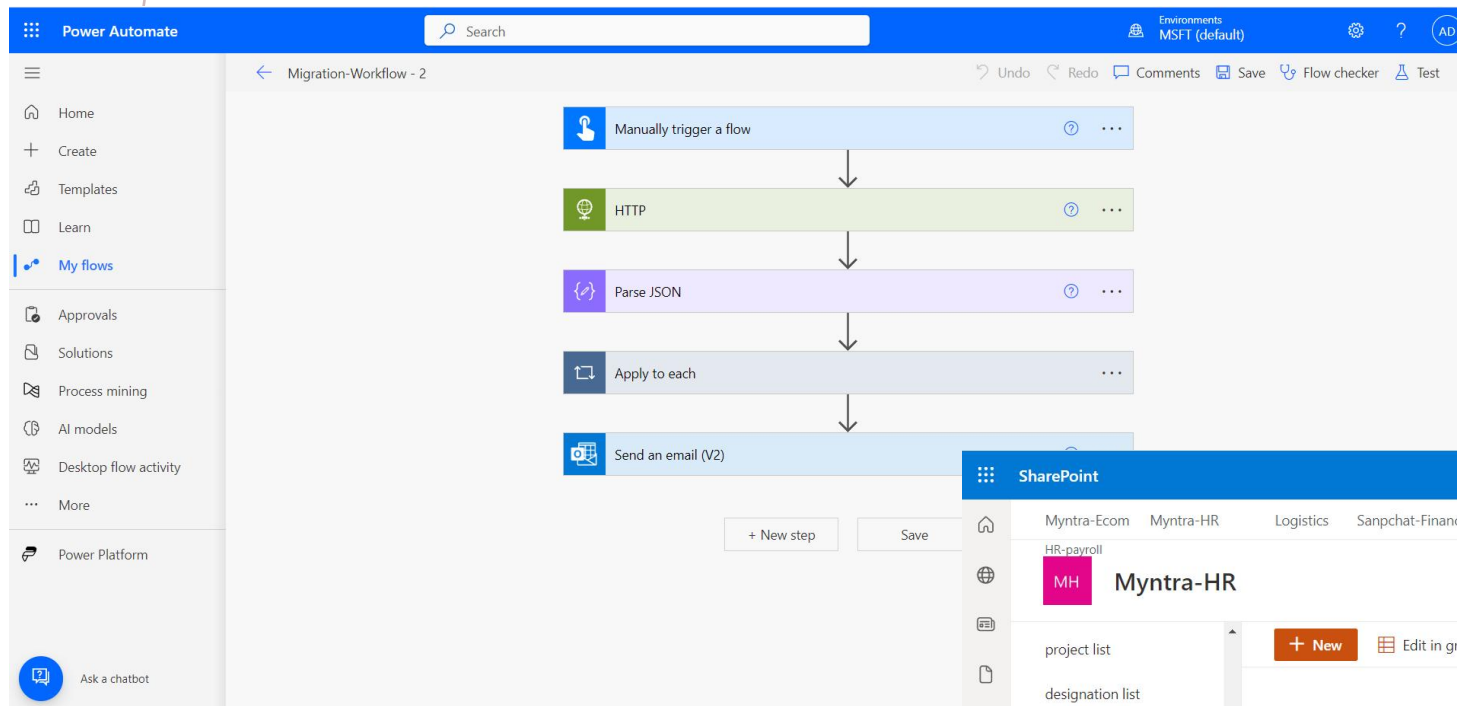
EmployeeID	FirstName	LastName	Email	Phone	HireDate	Department
1001	John	Doe	john.doe@email.com	123-456-7890	2022-05-10 13:30:00.000	Marketing
1002	Alice	Johnson	alice.johnson@email.com	234-567-8901	2022-03-15 15:00:00.000	Sales
1003	Michael	Smith	michael.smith@email.com	345-678-9012	2021-12-20 17:15:00.000	HR
1004	Emily	Brown	emily.brown@email.com	456-789-0123	2023-01-05 18:45:00.000	IT
1005	Sarah	Williams	sarah.williams@email.com	567-890-1234	2023-09-28 15:30:00.000	Finance
1006	David	Lee	david.lee@email.com	678-901-2345	2023-07-11 19:50:00.000	Marketing
1007	Olivia	Garcia	olivia.garcia@email.com	789-012-3456	2022-08-19 22:00:00.000	Sales
1008	James	Rodriguez	james.rodriguez@email.com	890-123-4567	2021-10-25 14:15:00.000	HR
1009	Sophia	Martinez	sophia.martinez@email.com	901-234-5678	2023-03-30 14:30:00.000	IT
1010	Benjamin	Lopez	benjamin.lopez@email.com	012-345-6789	2023-02-14 16:40:00.000	Finance
1011	Emma	Nguyen	emma.nguyen@email.com	123-456-7890	2022-01-01 18:30:00.000	Marketing
1012	Alexander	Kim	alexander.kim@email.com	234-567-8901	2021-11-11 20:50:00.000	Sales
1013	Mia	Patel	mia.patel@email.com	345-678-9012	2023-10-10 16:00:00.000	HR
1014	Daniel	Gonzales	daniel.gonzales@email.com	456-789-0123	2022-06-05 18:15:00.000	IT
1015	Harper	Carter	harper.carter@email.com	567-890-1234	2022-04-03 19:30:00.000	Finance
1016	Aria	Wright	aria.wright@email.com	678-901-2345	2023-05-15 21:45:00.000	Marketing
1017	Leah	Clark	leah.clark@email.com	789-012-3456	2021-07-30 14:00:00.000	Sales

Query executed successfully.

LAPTOP-RLJ87Q (16.0 RTM) | Aditya (54) | PA_Test | 00:00:00 | 20 rows

Ready | 28°C Sunny | Search | ENG IN | 13:57 03-11-2023

REST API MIGRATION FLOW USING HTTP



The screenshot shows the SharePoint interface for a list named "MigrationFlow" within the "Myntra-HR" site. The list contains the following data:

Title	Email	Gender	Status	unique id	+ Add column
Amish Gill	gill_amish@fadel-abbott.test	female	active	4639290	
Dayaananda Reddy	reddy_dayaananda@whi-te-smith.example	male	inactive	4639288	
Gopi Khatri	khatri_gopi@oconnell.test	female	active	4606787	
<input type="radio"/> Aadi Pillai LLD	lld_pillai_aadi@lynch-dare.test	male	inactive	4606786	
Aaryan Kaur	aaryan_kaur@batz.example	male	inactive	4606785	
Kanchan Gandhi	kanchan_gandhi@glove.r.example	male	inactive	4606784	
Chaaruchandra Ahluwalia	chaaruchandra_ahluwalia@koch.test	female	inactive	4606780	

The interface includes a top bar with "SharePoint" and a search bar. The left sidebar shows navigation options like Myntara-Ecom, Myntara-HR, Logistics, Sanpchat-Finance, HR-payroll, and a list of site contents including project list, designation list, present list, Workflows, MigrationFlow, migrationTest2, Trainlist, TrainManagers, Summary Tasks, Roles-Sec, Site contents, Recycle bin, and Edit.

Developed a workflow for data creation in SharePoint list using REST API. Using HTTP "GET" Method later Records being saved into SharePoint List.

SUMMARY

"RPA and Power Automate stand as pivotal tools in modern software development, offering transformative solutions that streamline workflows and enhance operational efficiency. Leveraging the power of Instant Cloud Flow, Automated Flow, and Schedule Flow, these automation technologies facilitate standardized data flow, optimize task management, and automate complex processes such as leave request management and monthly reporting. They transform manual, time-consuming tasks into seamless, automated processes, highlighting the critical need for such advanced technologies in today's software development landscape. Power Automate, with its adaptability and tailored solutions, serves as a gateway to heightened productivity and precision, redefining how businesses manage and execute their operations."



THANK YOU



Aditya Dhutmal

Power Platform Developer



<https://www.linkedin.com/in/aditya-dhutmal-b3b825291/>



imaditya738@gmail.com



<https://github.com/adityadhutmal>