Azure Developer Community

Tamil Nadu

What we do?

Meetups

Network of Beginners, Professionals & Experts

Azure Cert Study Jam

Corporate / Startup Talk

Getting started with Azure AI studio's Prompt flow

Agenda

Welcome Note

Why Prompt Flow

Infrastructure

Demo

Target Audience:

Level: Intermediate

The session is intended for developers and beginners who are new to Prompt engineering.

Azure account with Open AI access

Source:

Introduction

- Experience in Analytics, Reporting and data engineering

- Azure Dev Lead and Microsoft Certified - Azure and AI Engineer

- Enthusiastic learner and tech community contributor

Navaneethan Gopal
Principal Data Scientist @ Ingram Micro

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IN GRAM MICRO®

Yes, you read it right!!!

Life ∨   **Join our Talent Community**   **Campus**

Role/ Job Title: Prompt Engineer

Business: Data & Analytics

Function/ Department: Data & Analytics

Place of Work: Mumbai/Bangalore

Job Purpose:

In this role, you'll work closely with our data scientists, machine learning engineers, and product teams to design and develop effective prompts for our AI models, particularly large language models. Your main responsibility will be to ensure that our AI systems communicate effectively, providing the most value to our users by optimizing interaction and comprehension.

LinkedIn
https://www.linkedin.com › jobs › prompt-engineer-jobs ⋮

2000+ Prompt Engineer jobs in United States (162 new)

Today's top 2000+ **Prompt Engineer jobs** in United States. Leverage your professional network, and get hired. New **Prompt Engineer jobs** added daily.

https://in.linkedin.com › jobs › prompt-engineer-jobs ⋮

319 Prompt Engineer jobs in India (27 new)

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Get Started

#Azure Developer Community

Source: https://careers.idfcfirstbank.com/in/en/job/108371/Prompt-Engineer
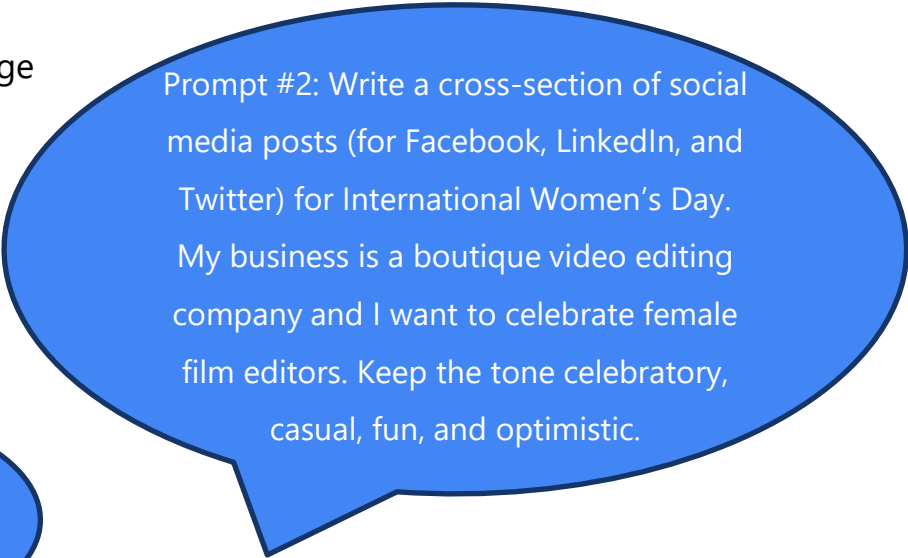
Simplicity is always best

Harness the power of prompt engineering

- We need to frame our questions reasoning engine and not as a search engine

- Provide context, break the questions/inputs

- Use clear language, clear examples of Industry language

- Experiment more

- Role play scenarios

- Analogies

- Debate style questions

Prompt #2: Write a cross-section of social media posts (for Facebook, LinkedIn, and Twitter) for International Women's Day. My business is a boutique video editing company and I want to celebrate female film editors. Keep the tone celebratory, casual, fun, and optimistic.

Prompt #1: Write a social media post about International Women's Day

Source: https://www.linkedin.com/learning/generative-ai-the-evolution-of-thoughtful-online-search/thoughtful-search-strategies-and-approaches?resume=false&u=52905228
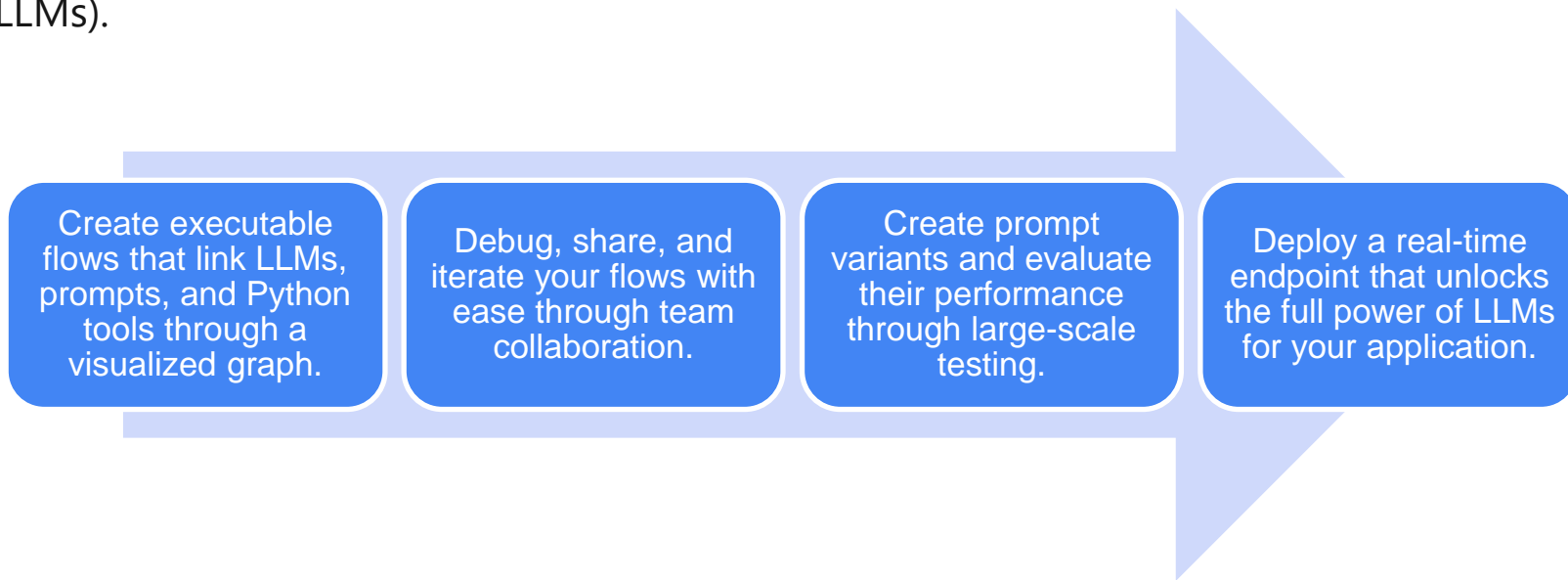
Limitations

- It's in public preview and provided with out a service level agreement.

- Not advisable for production recommendations.
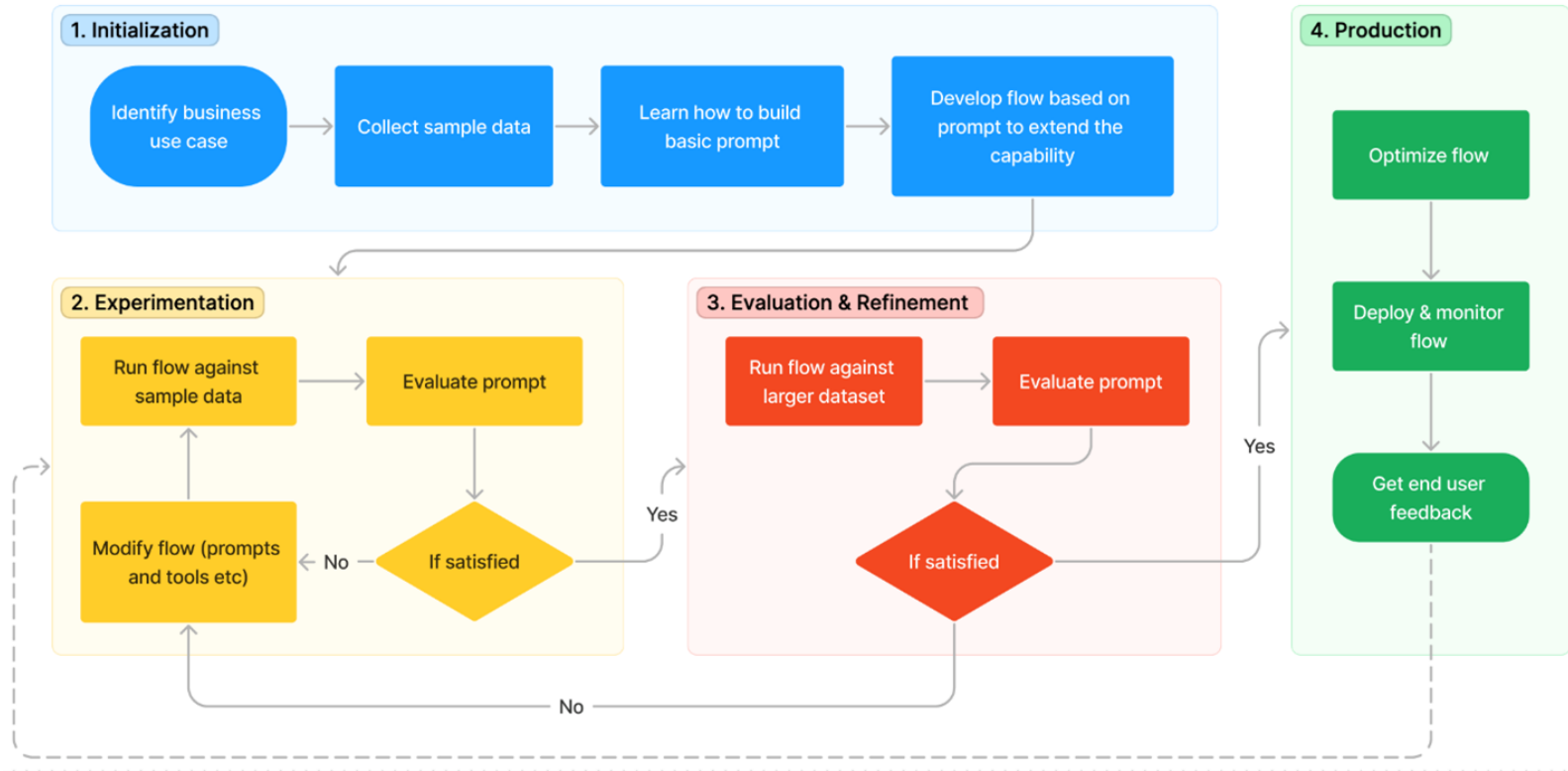
Prerequisites

- Workspace

- Connection – Compute Instance

- Run Time

Prompt Flow setup

- Azure Machine Learning prompt flow is a development tool designed to streamline the entire development cycle of AI applications powered by Large Language Models (LLMs).

| Create executable flows that link LLMs, prompts, and Python tools through a visualized graph. | Debug, share, and iterate your flows with ease through team collaboration. | Create prompt variants and evaluate their performance through large-scale testing. | Deploy a real-time endpoint that unlocks the full power of LLMs for your application. |

LLM Application development lifecycle

Source: https://learn.microsoft.com/en-us/azure/machine-learning/prompt-flow/get-started-prompt-flow?view=azureml-api-2

Flow types

Create a new flow

Create by type

Standard flow

Harness the power of Large Language Models, customized Python code, Serp API, and more to craft your tailored prompt flow. Test the flow using custom datasets and seamlessly deploy as an endpoint for easy integration.

Create

Chat flow

On top of the standard flow, this option provides the chat history support and a user-friendly chat interface in the authoring/debugging UI.

Create

Evaluation flow

Create an evaluation flow to measure how well the output matches the expected criteria and goals.

Create

DEMO

VIEW IT
IN ACTION

Source:

Responsible AI

Fairness

AI systems should treat all people fairly.

Reliability and safety

AI systems should perform reliably and safely.

Privacy and security

AI systems should be secure and respect privacy.

Inclusiveness

AI systems should empower everyone and engage people.

Transparency

AI systems should be understandable.

Accountability

People should be accountable for AI systems.

Open for Q&A

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Thank you!!

Learning Resources

- Azure free account: https://azure.microsoft.com/en-in/free/

- QuickStart : https://learn.microsoft.com/en-us/azure/machine-learning/prompt-flow/get-started-prompt-flow?view=azureml-api-2

- LinkedIn Learning : https://www.linkedin.com/learning/generative-ai-the-evolution-of-thoughtful-online-search/thoughtful-search-strategies-and-approaches?resume=false&u=52905228

- Coding files: https://github.com/MicrosoftDocs/azure-docs/tree/main/articles/machine-learning/prompt-flow

Source: