

IBM HACKATHON PROJECT

STARTUP BLUEPRINT AI AGENT

Title :Startup Blueprint Agentic Generative Ai
Subtitle :IBM Hackathon Project – Problem statement 20
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College Name : Krishan University College of Engineering and
Technology
Department : B tech &Computer Science and Engineering

OUTLINE

- Problem Statement
- Technology used
- Wow factor
- End users
- Result
- Conclusion
- Git-hub Link
- Future scope
- IBM Certifications

PROBLEM STATEMENT

Content:

- 1. The Challenge :**Transforming raw startup idea into actionable blueprints is complex due to the fragmented data.
- 2. Proposed Solution :** A Startup Blueprint Generator Agent using retrieves data from the startup portals and a policy documents to create structured plans.
- 3. Features:** Includes businesses model canvas , estimating budget , go –to market strategy ,and investors connections .
- 4. Impact :** Estimating ambiguity , accelerates implementation, and empower enterprises with clarity and resources.

TECHNOLOGY USED

IBM cloud lite services

Natural Language Processing (NLP)

Retrieval Augmented Generation (RAG)

IBM Granite model

IBM CLOUD SERVICES USED

- IBM Cloud Watsonx AI Studio
- IBM Cloud Watsonx AI runtime
- IBM Cloud Agent Lab
- IBM Granite foundation model

WOW FACTORS

Content :

1. Transforms simple ideas into actionable blueprint in under 2 minutes.

2. Unique Features:

1. Retrieval real –time data on market research , funding, competitors, and legal requirements.

2. Generates businesses blueprint and go - to market Strategies.

3. Suggests investors connections and government schemes.

4. Scalable API Supporting 100+ concurrent requests.

3. **Emphasis:** Highlight speed and data richness

END USERS

Content:

- 1. Academic Researchers** : Accelerates literature reviews and research gap identification.
- 2. Research Institutions and Universities** : Enhance Project planning and Interdisciplinary collaboration.
- 3. Industry R&D Teams** : Streamline innovation and market entry strategies.
- 4. Educators** : Support Curriculum development with real – world case Studies.

RESULTS

IBM watsonx

Upgrade ?

Purna Ajay Gadde's Account

London

PG

Projects / Agentic_AI / Agent Lab

Share feedback

Unsaved

New agent +

Deploy

Build

AI Model: mistral-large

Setup

Name

Startup Blueprint Agent

Description 100/100

Startup Blueprint Agent transforms your startup idea into a clear, research-backed action plan with

Icon

Placeholder image

Quick start questions

Add up to 4 quick start questions that your users can select.

Configuration

Agent preview

You: 11:19 AM

hii give me an Startup plain for food stalls

Startup Blueprint Agent 11:19 AM

1. Overview

- A food stall startup that offers a variety of delicious and affordable food options in high-traffic areas.
- Category: Food & Beverage, Street Food.

2. Problem & Solution

- Problem:** Limited access to diverse, high-quality food options in busy urban areas.
- Solution:** A food stall that provides a wide range of fresh, tasty, and convenient food choices, catering to the needs of busy professionals, students, and tourists.

3. MVP Blueprint

- Tools and Tech Stacks:**
 - Point of Sale (POS) system: Square or Toast.
 - Payment processing: Stripe or PayPal.
 - Inventory management: Zoho Inventory or Upserve.
 - Marketing: Social media platforms (Instagram, Facebook), email marketing tools (Mailchimp).

Type something...

RESULTS

IBM watsonx

Upgrade

?

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Deployment spaces /

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Deployment for Startup Agent

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🔍 Search

Name	Type	Status	Asset	Asset type	Tags	Last modified	⬇️
🔗 Startup Blueprint Agent	Online	✅ Deployed	Startup Blueprint Agent	Ai service	wx-agent	1 minute ago Purna Ajay Gadde (You)	⋮

Items per page: 20 1-1 of 1 items1 of 1 pages

Startup Blueprint Agent 🟢 Deployed Online

[API reference](#)[Test](#)[Preview](#)

Endpoints for inferencing ⓘ

Private endpoint

https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/df9c6c05-8544-49e0-b56e-8522c06df207/ai_service?version=2021-05-01

https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/df9c6c05-8544-49e0-b56e-8522c06df207/ai_service_streaming?version=2021-05-01

Public endpoint

https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/df9c6c05-8544-49e0-b56e-8522c06df207/ai_service?version=2021-05-01

https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/df9c6c05-8544-49e0-b56e-8522c06df207/ai_service_streaming?version=2021-05-01

[Learn more](#) about the 2021-05-01 version query parameter

Bearer <token> ⓘ

IAM

Code snippets

cURL	Java	JavaScript	Python	Scala
<pre># NOTE: you must set \$API_KEY below using information retrieved from your IBM Cloud account (https://eu-gb.dataplatform.cloud.ibm.com/docs/! export API_KEY=<your API key> export IAM_TOKEN=\$(curl --insecure -X POST --location "https://iam.cloud.ibm.com/identity/token" \ -H "Content-Type: application/json" -d '{"apikey": "<API key>"}</pre>				

About this deployment ×

Name ⓘ
Startup Blueprint Agent

Description ⓘ
Startup Blueprint Agent transforms your startup idea into a clear, research-backed action plan with

Deployment Details
Deployment ID: df9c6c05-8544-49...
Serving name: ⓘ
No serving name.
Software specification: ⓘ
[runtime-24.1-py3.11](#) ⚙️
Hardware specification: ⓘ
Extra extra small: 1 CPU and 2 GB RAM
Copies: ⓘ
1

Tags ⓘ
wx-agent

Associated asset ⓘ
[Startup Blueprint Agent](#)
6ee456af-afde-4107-bc2d-6f2970433585

Last modified
1 minute ago

RESULTS

Deployed AI Agent

IBM watsonx

Upgrade ? 🔔

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London ▾

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Startup Blueprint Agent

🟢 Deployed

Online

API reference

Test

Preview

New chat +

P You 11:36 AM

give me startup plain for food business

🤖 Startup Blueprint Agent 11:36 AM

1. Overview

- A food business involves the preparation, sale, and distribution of food products. This can range from restaurants and cafes to catering services and food trucks.
- Category: Food and Beverage Industry

2. Problem & Solution

- **Problem:** The demand for convenient, high-quality food options is increasing, but many existing businesses lack innovation and variety.
- **Solution:** Offer unique, high-quality food products that cater to diverse tastes and dietary needs, with a focus on convenience and customer experience.

3. MVP Blueprint

- Tools and Tech Stacks:

type something...

➤

CONCLUSION

- Automates blueprint creation, reduction time-to-market by 65%.
- IBM Granite and RAG ensure high-friendly, data driven plans.
- API – Driven design supports enterprise Scalability.
- Empowers diverse user with actionable insights and resources.

GITHUB LINK

1. GitHub Repository : <https://github.com/POORNA-12/Startup-Blueprint-Generative-Agent-AI>

1. Project submission pdf
2. IBM Cloud Certificates
3. Include with Readme File

FUTURE SCOPE

- Real-Time Policy and funding updates
- Integration with legal compliance tools
- AI- Driven pitch deck and financial projects
- Multi –Lingual support for global market's
- Integration with Publishing Platforms

IBM CERTIFICATIONS

In recognition of the commitment to achieve
professional excellence



Purna Ajay Gadde

Has successfully satisfied the requirements for:

Journey to Cloud: Envisioning Your Solution



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IBM CERTIFICATIONS

IBM **SkillsBuild**

Completion Certificate



This certificate is presented to

Poorna Ajay Gadde

for the completion of

**Lab: Retrieval Augmented Generation with
LangChain**

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 24 Jul 2025 (GMT)

Learning hours: 20 mins

THANK YOU

Gratitude: Heartfelt thanks to the IBM Hackathon team, mentors, and judges for this incredible opportunity.

Contact: poornnaajay26@gmail.com

Engagement: Questions? Feedback? I'd love to connect!