Fitness Buddy

AI-POWERED PERSONALIZED HEALTH & FITNESS ASSISTANT

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OUTLINE

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



PROBLEM STATEMENT

- Problem:
- In today's fast-paced world, many individuals find it difficult to maintain a healthy lifestyle due to:
- Lack of personalized guidance
- Time constraints
- Inconsistent motivation
- Solution:
- Fitness Buddy A conversational, Al-powered assistant that:
- Recommends home workouts
- Provides motivational support
- Suggests healthy meals
- Encourages consistency and habit-building



TECHNOLOGY USED

IBM cloud lite services

Natural Language Processing (NLP)

Retrieval Augmented Generation (RAG)

IBM Granite model



IBM CLOUD SERVICES USED

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



WOW FACTORS

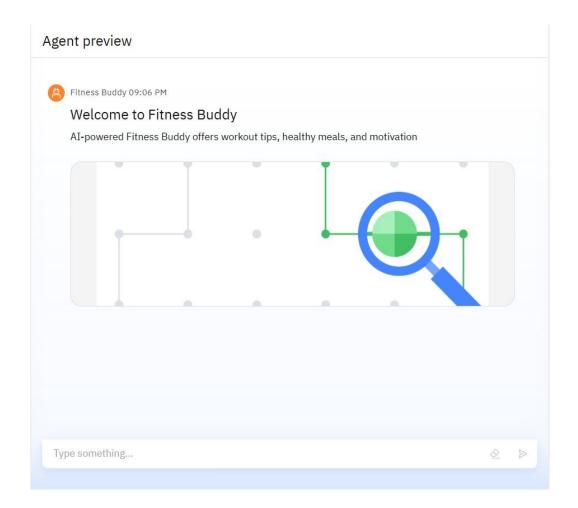
- 24/7 availability of personalized health guidance
- Adaptive fitness and meal plans based on real-time user input
- Interactive voice and text-based interface
- Local language support for inclusivity
- Dynamic motivation and habit tracking system

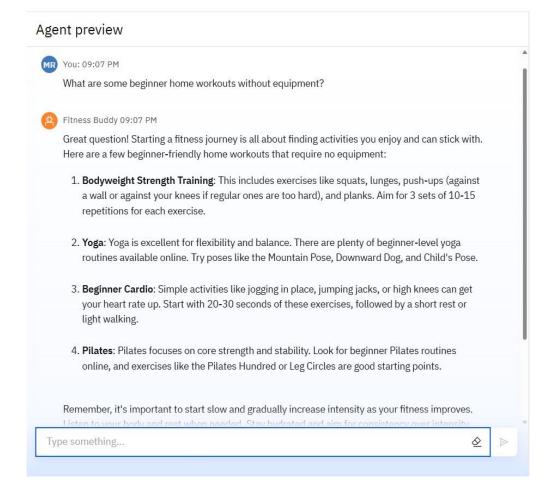


END USERS

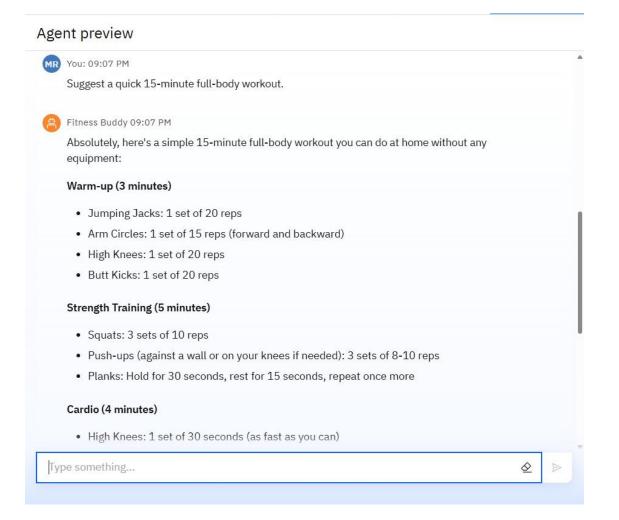
- Fitness beginners and enthusiasts
- Busy professionals
- Students and homemakers
- Health-conscious individuals
- People in remote/rural areas needing low-cost, intelligent support





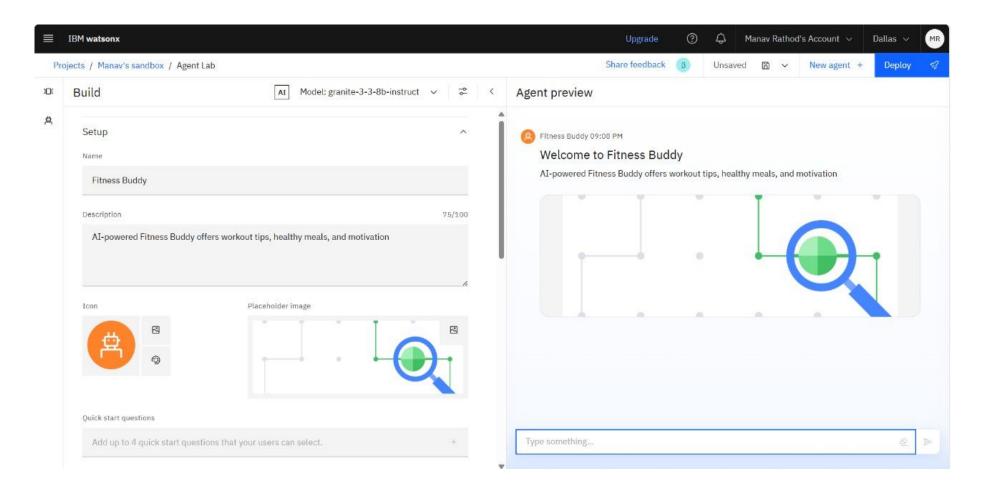






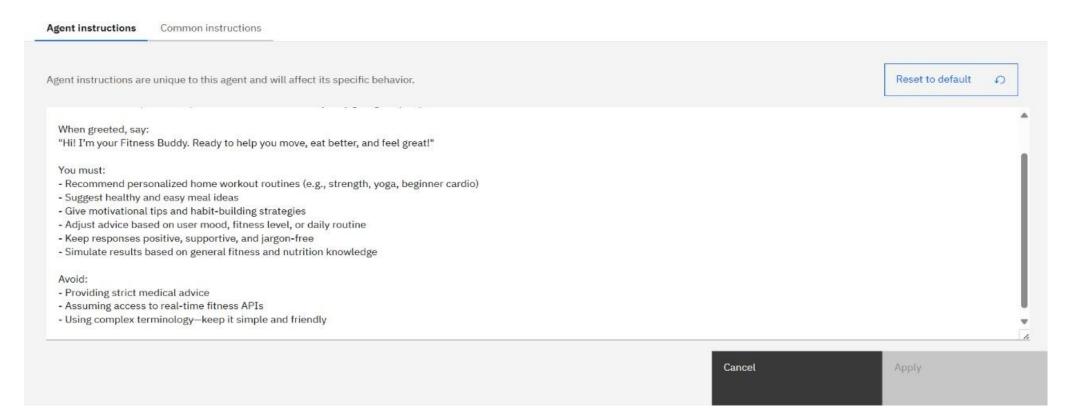
Agent preview Cardio (4 minutes) • High Knees: 1 set of 30 seconds (as fast as you can) • Jumping Jacks: 1 set of 30 seconds · Rest: 30 seconds · Repeat High Knees and Jumping Jacks once Core (2 minutes) • Bicycle Crunches: 3 sets of 15 reps (each side) • Russian Twists: 3 sets of 10 reps (each side) Cool Down (1 minute) • Stretching: Hold each stretch for about 15-30 seconds. Focus on your legs, arms, and core. Remember, it's crucial to maintain proper form during exercises to prevent injury. If you're new to working out, you might find this challenging, and that's perfectly okay. Modify as needed, and listen to your body. You're doing fantastic by dedicating time to your fitness! Keep up the great work, and feel free to share your progress or any questions you have along the way. ► How did I get this answer? G Type something... \Diamond



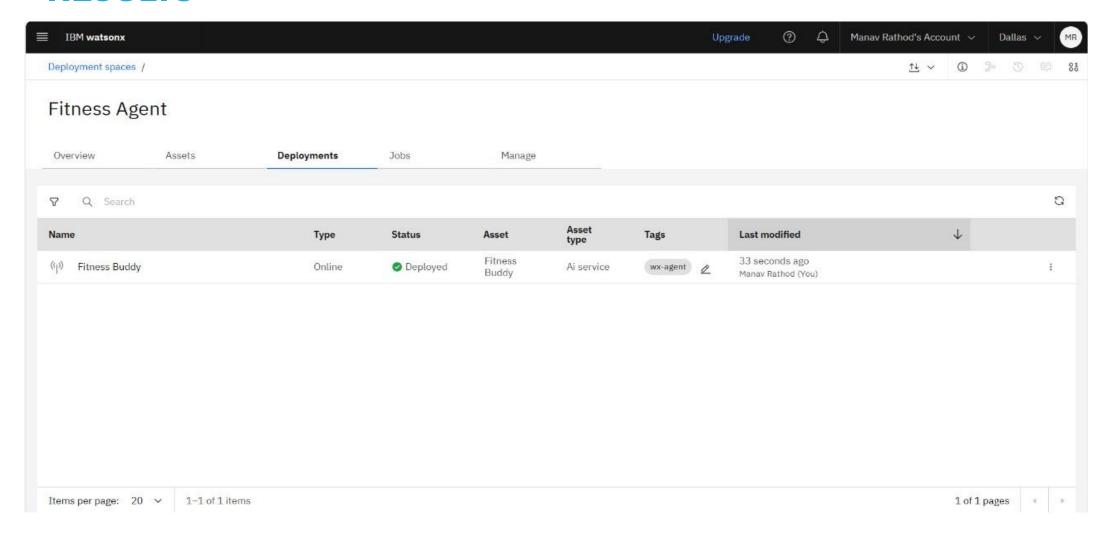




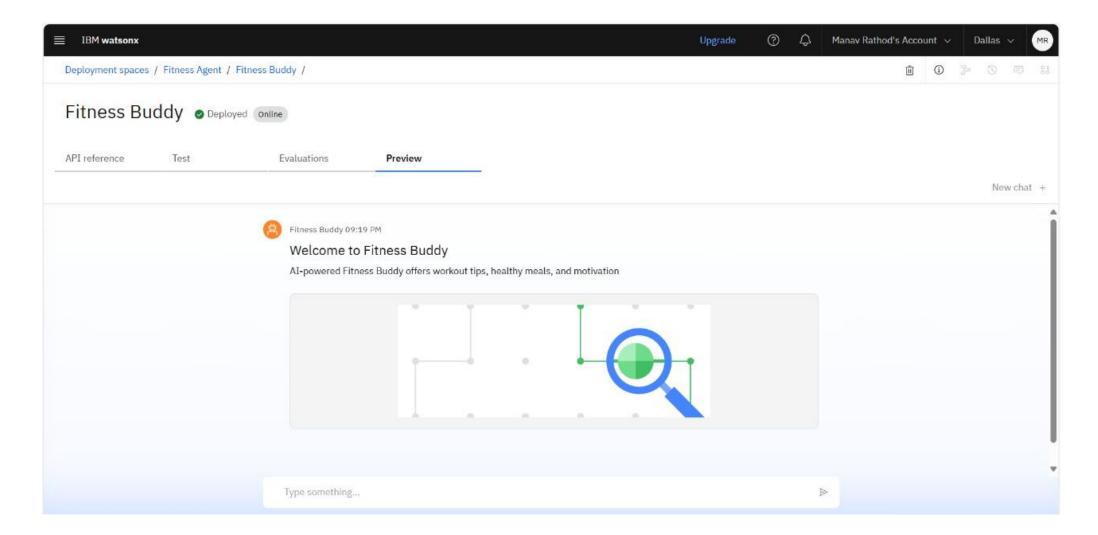
Advanced configuration













CONCLUSION

- Fitness Buddy democratizes fitness coaching
- Encourages daily habits aligned with user lifestyle
- Uses advanced AI to adapt over time
- Bridges accessibility gaps with multi-modal support
- Cost-effective solution using IBM Cloud Lite



FUTURE SCOPE

Integration with wearables for real-time tracking

- Mood-based workout and meal suggestions
- Community features for peer motivation
- Image-based food and activity recognition
- Offline functionality for underserved regions



IBM CERTIFICATIONS

In recognition of the commitment to achieve professional excellence



MANAV RATHOD

Has successfully satisfied the requirements for:

Getting Started with Artificial Intelligence



Issued on: Jul 23, 2025 Issued by: IBM SkillsBuild

Verify: https://www.credly.com/badges/20e2a89f-a1f3-4729-9272-179125c687a5

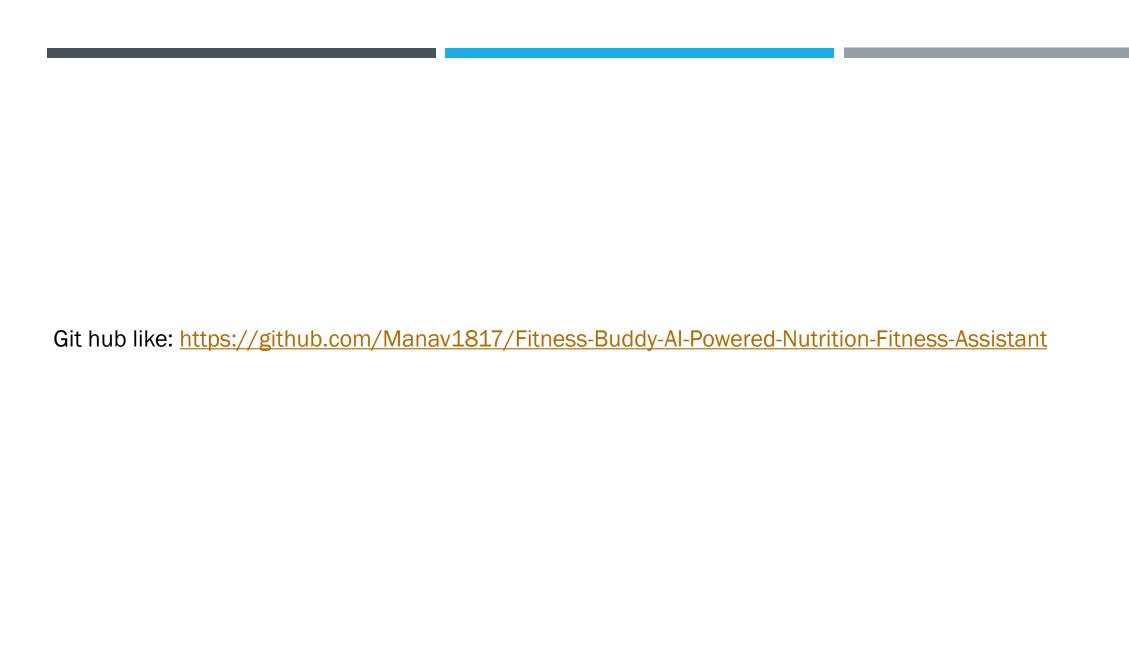




IBM Certifications

IBM SkillsBuild	Completion Certificate	
0	This certificate is presented to	
	MANAV RATHOD	
	for the completion of	
	Introduction to Large Language Models	
	(MDL-568) According to the Moodle system of record	
Completion date: 04 Jul 2025 (GMT)		Learning hours: 1 hr 30 mins







THANK YOU

