

# GUVI SAWIT AI LEARNATHON

## SAWIT AI Learathon Completion

The SAWIT AI Learathon offered an incredible opportunity to delve into the rapidly growing field of Generative AI (GenAI) and Reinforcement Learning for Augmented Generation (RAG). This comprehensive program consisted of several stages that combined theoretical knowledge with practical application, allowing participants to build AI-driven solutions and enhance their technical expertise.

## Program Overview

The Learathon spanned multiple stages designed to equip participants with essential AI skills:

### Stage 1: Introduction to GenAI

In this stage, participants were introduced to the foundational concepts of GenAI. The session covered 31 minutes of insightful content, highlighting its applications in various fields such as content creation, predictive analytics, and personalized recommendations.

### Stage 2: AI & RAG Quiz

A 15-question quiz tested participants' understanding of AI and RAG concepts. This interactive stage reinforced learning and assessed our grasp of theoretical knowledge.

### Stage 3: Machine Learning Assignment

In this hands-on stage, participants completed a machine learning assignment. The exercise, designed to be concise yet impactful, allowed us to practically apply learned concepts within a short 10-minute timeframe.

### Stage 4: Building an Image Recognition Model

This exercise involved building a Rock-Paper-Scissors image recognition model in 4 steps. The task sharpened my skills in designing and Camera to analyze the images

### Stage 5: Building a RAG Application

The final and most advanced stage required building a RAG application using Gemini AI. This 8-step exercise involved uploading a PDF and generating questions based on its content. It demonstrated the potential of GenAI to create interactive and intelligent tools for information retrieval and learning.

## Key Takeaways

1. **Enhanced Understanding of GenAI:** The sessions deepened my knowledge of generative models, their architecture, and their real-world applications.
2. **Hands-on Learning:** The practical exercises helped me gain experience in building ML and RAG models, fostering problem-solving and coding skills.
3. **Exploring Gemini AI:** Using Gemini AI for RAG applications was a highlight, showcasing how AI can transform document analysis and query generation.

## Personal Reflection

Participating in the SAWIT AI Learathon was a transformative experience. Each stage was meticulously structured to provide incremental learning, culminating in advanced application development. I now feel more confident in my ability to harness the power of GenAI for innovative projects.

## Conclusion

The SAWIT AI Learathon was a rewarding journey that bridged the gap between theoretical learning and real-world application. By completing this program, I have taken a significant step forward in my AI and machine learning career.

**Link to My RAG Application:** [RAG Project](#)

## Completion Certificate:

