



# **Apollonius**

An AI Think Tank Company

# **The Generative AI Lab**

**APOLLONIUS COMPUTATIONAL BUSINESS  
SOLUTIONS**

# About Apollonius



**Apollonius**  
a Generative AI Lab

**We provide Training & Research As A Services Using**  
**Generative AI & Agentic AI**

# Our Offerings for your business Growth



**Training As A  
Service**

**Research As A  
Service**

**Solution As A  
Service**



# About the Founders



**Souva Majumder**

Director of Technology- Generative AI  
MTech (Systems Engineering) IIT Kharagpur  
10 years of Experience in Decision Science, Analytics & AI

**Anushree Bhattacharjee**

Executive Director & Technology Consultant  
MTech (AI), MSc Statistics (Gold Medal),  
7 years of Experience in Analytics, NLP & Generative AI



# Our Key Strengths

**Specialized Training Lab for  
Generative AI**

**Experience of Training  
Corporate Executives on  
Generative AI**

**5 years experience in  
Enterprise AI**

**Dedicated Generative AI  
Research As A Service  
Company**

# Technical Pillars of Expertise

**Gen AI**

**Agentic AI**

**Multi Agentic**

**Evaluation of  
Gen AI**

# Our Model of 360 Degree Engagement



# **Focus Area of our Training & Research**

**Generative AI**

**Agentic AI**

**Evaluation of  
Multi Agentic  
System**






# Our Specialization on Gen AI

- **Generative AI Models**
- **Transformers**
- **Embeddings & Vector Database : Chroma DB**
- **Prompt Engineering**
- **RAG & Advance RAG**
- **Data preparation for RAG**
- **LangChain, LangGraph, LangSmith,**
- **CrewAI, AutoGen**
- **Llama Index**



# Tools That we Expertise





# Intellectual Activities by Apollonius on Artificial Intelligence



# Key Strengths of our Organization

Exceptional Faculty members

Experience of Training more  
than 5000 Hours

Leading Researchers on Gen  
AI

Dedicated R&D Team

# Workshop & Corporate Training Conducted By Apollonius

- ▶ 140 Hours of Corporate Training on Generative AI for the employees of Infosys Limited
- ▶ FDP on AI conducted for the Faculties of Technical Institutions in 2023 & 2024
- ▶ Delivered Webinar on AI at IIT Jodhpur
- ▶ Delivered Seminar on NLP IIT Kharagpur
- ▶ Delivered Lecture on Enterprise AI at IIE, Jamshedpur
- ▶ Conduct Certificate Course on AI & Data Science since since 2020, trained more than 400+ Professionals across India



# Research As A Service from Apollonius



- ▶ We Provide custom research services for your business needs on generative AI
- ▶ The cost of availing Research As A Service from us is 70% lower than the dedicated Institutions
- ▶ We bring on board the best scientists from the top tier academic institutions & Gen AI companies to solve your business goals

# Corporate Training On Gen AI by Apollonius

03:08:42

Take control Pop out Chat People Raise React View Notes More Camera Mic Share Leave

## Overview

$[A_1, A_2, A_3]$

**Step 1 Supervised Fine-Tuning**

Collect human demonstration data

Base LLM  $\xrightarrow{\text{Supervised Fine-tune}}$  SFT

$\underline{G}$   $\underline{SL}$   $\underline{A}$

**Step 2 Training a Reward Model**

Collect human preference data

Base LLM  $\xrightarrow{\text{Supervised Fine-tune}}$  RM

**Step 3 Optimize Policy (PPO)**

Prompt  $\rightarrow$  Policy  $\rightarrow$  Answer  $\rightarrow$  RM  $\rightarrow$  Reward

RL (PPO)

SS SK RB AB BS AA MP SS KA < 1/7 > SM

Source: <https://aws.amazon.com/what-is/reinforcement-learning-from-human-feedback>

06:56

Take control Pop out Chat People Raise React View Notes More Camera Mic Share Leave

## Introduction

LangChain is a framework for developing applications powered by language models.

Deployment

LangGraph Cloud

COMMERCIAL

Integrations

OSS

LangChain

OSS

LangGraph

OSS

LangSmith

Debugging

Playground

Prompt Management

Annotation

Testing


Monitoring

COMMERCIAL

AB SC KK KA AA SS KK PK SJ < 1/7 > SM

<https://python.langchain.com/v0.2/docs/introduction/>

# Key Note Talks on AI



**Indian Institution of Industrial Engineering**  
**Jamshedpur Chapter**


*cordially invites you for*

**Productivity Pro Talks**  
May 19, 2023 ( Friday )

Theme of the event

**Artificial Intelligence in Industrial Engineering**

4:00 pm to 5:30 pm  
Virtual Speaker session

**Speaker**  
**Souva Majumder**  
Founder & Director of Apollonius  
Computational Business Solutions Pvt. Ltd.

Looking forward for your active participation

Mr. Rama Shanker Singh, Chairman, IIE Jamshedpur Chapter

Ms. Sundarameenakshi Sivara, Secretary, IIE Jamshedpur Chapter

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**Quantum Information and Computation:  
From Foundations to Applications – 2021**

Academia-Startup Discussion Panel  
Starts from 5:20pm to 6:20pm IST

**Prof. Pankaj Setia**  
IIM, Ahmedabad  
(Moderator)

**Dr. Rahil Patel**  
Q-IRU Lab Bangalore

**Mr. Ashutosh Kumar**  
Caliche Pvt. Ltd.

**Mr. Souva Majumdar**  
Apollonius Pvt. Ltd.

**Indian Institute of Technology Jodhpur**

# Research Publication

IBM Power  
Connect, learn, share, and engage with IBM Power.

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IBM TechXchange Dev Day: Virtual Agents  
Join us 23 January from 11 AM - 6 PM ET as over 30 speakers from IBM and key AI industry leaders discuss the latest AI trends.

## A Framework For Integrating Governed MLOps In Financial Services

Group HomeThreads4Library59Blogs8Events0Members75

## A Framework For Integrating Governed MLOps In Financial Services

Mon February 19, 2024 08:55 AM

  
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# Our Major Training Client

Infosys®



# Our Organization Affiliations



# **Apollonius**

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