



 connect@rastrai.com



Enabling robust, adaptive, sustainable, trustworthy, and responsible AI and Agents for



Ecommerce



Retail



Supply Chain



Manufacturing



Fast Moving Consumer
Goods and Consumer
packaged Good



BFSI



Healthcare

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OUR MISSION



At RastrAI, our mission is to revolutionize industries with Robust, Adaptive, Sustainable, Trustworthy and Responsible AI. Through Agentic AI, Multimodal enterprise Generative AI and Deep Learning , we deliver data-driven insights that empower businesses to drive innovation and accelerate their AI journey, solve some of the complex challenges in healthcare, finance, retail, and manufacturing.

We are a revenue generating Startup and we are looking to scale.



Our No Code Low Code Generative AI Platform

Visit: www.rastrai.com for demo

A screenshot of the RASTRAI login interface. The interface is dark-themed with a blue sidebar on the right. The main content area is dark blue. At the top, the RASTRAI logo is displayed, followed by the text "Log in to Rastr evolve AI OS" and "Access your AI platform workspace". Below this, there are input fields for "Email" (containing "connect@rastrai.com") and "Password" (masked with dots). A "Select Mode" section contains two buttons: "Client Mode" (with a shield icon) and "Developer Mode" (with a code icon). A large blue "Sign In" button is positioned below the mode selection. At the bottom, there is a link for "Forgot password?".

RASTRAI[®]
Rastr | Rastrai | Rastrai | Rastrai | Rastrai | Rastrai | AI

Log in to Rastr evolve AI OS
Access your AI platform workspace

Email
connect@rastrai.com

Password
.....

Select Mode

Client Mode Developer Mode

Sign In

[Forgot password?](#)

The Problem we are solving

Enterprises today face major barriers in adopting AI due to **fragmented, complex, and costly development processes**. Most organizations must build their AI infrastructure from scratch—integrating disparate models, tools, and data pipelines—which leads to **high lead times for development, slow deployment cycles, and delayed market adoption**. As a result, companies lose competitive advantage and struggle to scale their AI initiatives effectively. Existing AI systems are often **static, narrowly focused, and non-adaptive**, making it difficult to extend automation across multiple departments or evolving business needs. This lack of agility severely limits innovation and return on investment.

As industries accelerate toward digital transformation, enterprises urgently need a solution that enables **rapid AI development, deployment, and adaptation** without deep coding expertise. A **low-code/no-code Agentic Operating System** like R-Evolve empowers organizations to design, deploy, and orchestrate AI agents efficiently—cutting lead times, increasing scalability, and ensuring faster AI adoption.



Pipeline Type	Purpose	Average Dev Time (PoC)	Average Dev Time (Production-grade)	Key Dependencies / Effort Drivers
Agentic Pipeline	To orchestrate autonomous AI agents (with reasoning, memory, tools, etc.)	2–4 weeks	6–10 weeks	Complexity of agent framework, tool integration (APIs, databases, etc.), multi-agent coordination, evaluation harness
Fine-tuning Pipeline	To adapt LLMs on domain-specific data	1–2 weeks	3–6 weeks	Data cleaning & labeling, training infra (GPU setup), hyperparameter tuning, evaluation & deployment setup
RAG (Retrieval-Augmented Generation) Pipeline	To combine knowledge retrieval with generation (vector DB + LLM)	1–3 weeks	4–8 weeks	Vector store setup, retriever optimization, prompt engineering, evaluation metrics, scalability
MCP (Model Context Protocol / Multi-Context Protocol)	To allow models/tools to share context & capabilities in a standardized way	3–6 weeks	8–12 weeks	Multi-model orchestration, protocol compliance, security, context management, tool interop testing

The Impact we will make



Pipeline Type	Timeline (Manual Coding)	Timeline (with RastrAI OS)	Reduction
Agentic Pipeline	2–4 weeks	1–2 weeks	~50%
Fine-tuning Pipeline	1–2 weeks	1–1.5 weeks	~30% (still GPU/data-bound)
RAG Pipeline	1–3 weeks	0.5–1 week	~60–70%
MCP Pipeline	3–6 weeks	2–3 weeks	~50%

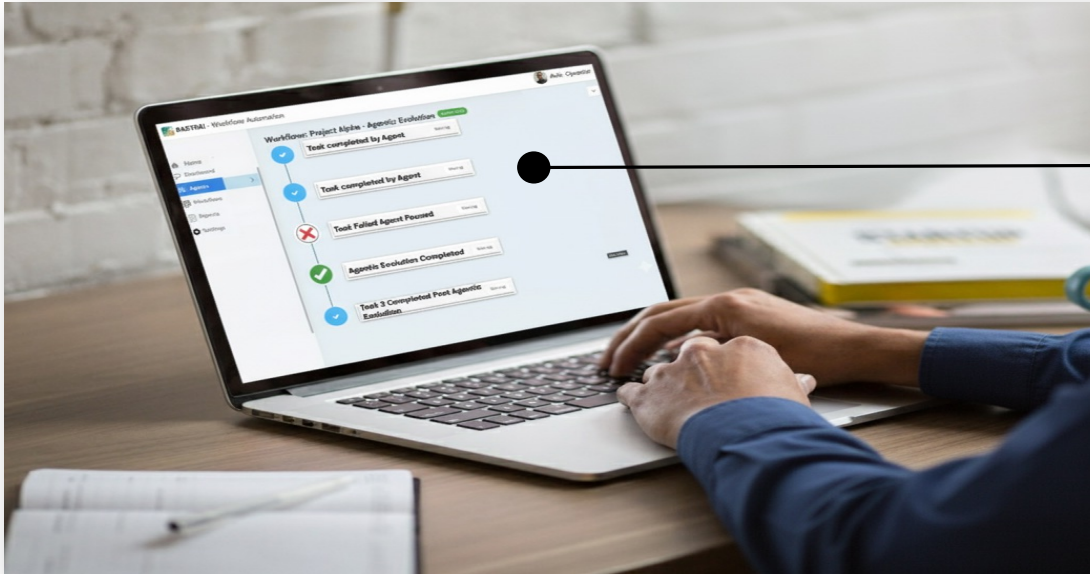
PoC (Proof of Concept): Typically focuses on demonstrating functionality with minimal optimization.

Production: Includes scalability, monitoring, CI/CD, observability, guardrails, and governance
Much more time consuming and we will make larger impact



No Code Low Code Generative AI
Platform





Agentic Evolution



RASTRAI[®]
Robust | Adaptive | Sustainable | Trustworthy | Responsible | AI



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R-evolve OS – The Future of Enterprise AI



What it is:

R-evolve OS by RastrAI is a No-Code / Low-Code Enterprise Agentic Operating System, designed to revolutionize how organizations deploy AI.

With a chat-based setup, drag-and-drop API orchestration, and an intuitive visual canvas, enterprises can build, connect, and evolve

Intelligent multi agents systems,

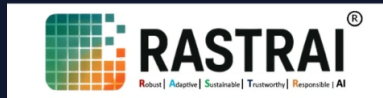
Finetuning pipeline ,

Advanced RAG,

MCP, effortlessly — add required Compute for any task , no deep coding required and all in one platform.

Why it matters:

- **Transforms static automation into adaptive AI ecosystems.**
- **Speeds innovation, reduced cycle time , lead time, reduces deployment cost, and simplifies integration.**
- **Enables real-time evolving workflows across business functions.**
- **Democratizes AI development for non-technical teams.**



Generative AI Image Analysis and Diagnostics Studio

Email

connect@rastrai.com

Password

.....

Select Mode



Autonomous Mode



Manual Mode

Sign In

[Forgot password?](#)



Generative AI Medical Diagnostics Studio

Visit: www.rastrai.com for demo

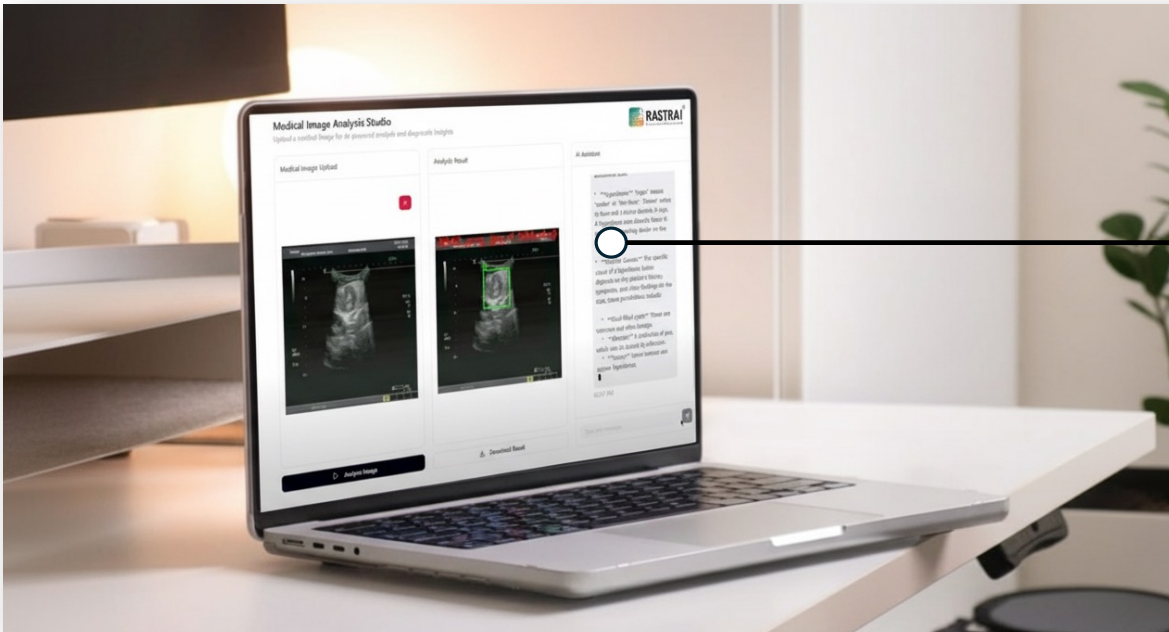
The Problem we are solving

The healthcare industry faces a chronic shortage of radiologists and diagnostic experts, resulting in delayed, inconsistent, and expensive medical analysis—especially in rural and underserved regions. Manual interpretation of MRI, X-ray, and CT scans is time-intensive and prone to human fatigue or error. Additionally, hospitals struggle with fragmented data systems, limited automation, and inefficient workflows that slow down clinical decisions.

RastrAI's **Generative AI Medical Diagnostic Studio** addresses these issues by providing a **multi-modal AI platform** capable of analyzing medical images, automating annotation, and generating diagnostic insights in real time. By integrating vision-language models and GenAI-powered assistants, it standardizes diagnostics, reduces human workload, and ensures faster, more accurate patient outcomes. The platform bridges the gap between advanced AI research and everyday clinical use—empowering healthcare providers to deliver high-quality diagnostics affordably and at scale.



Generative AI Medical diagnostics Studio Ultrasound



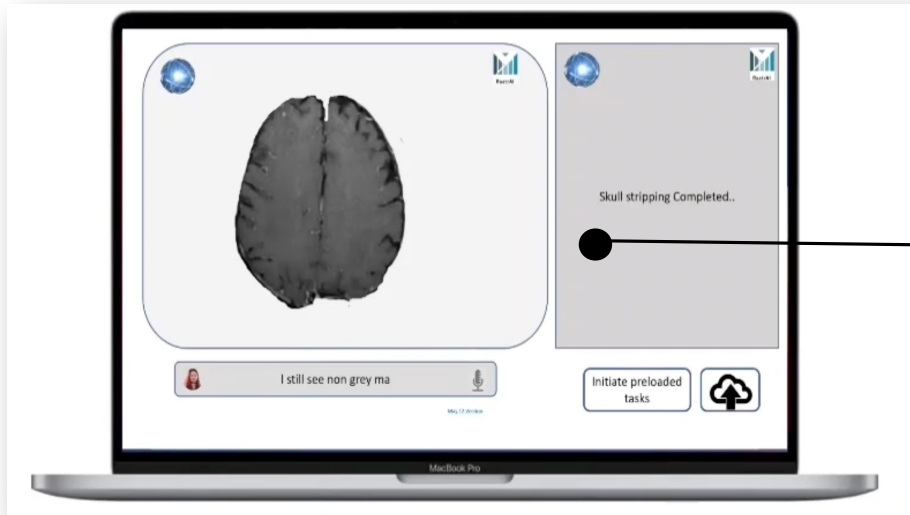
Generative AI Medical diagnostics Studio
Dental



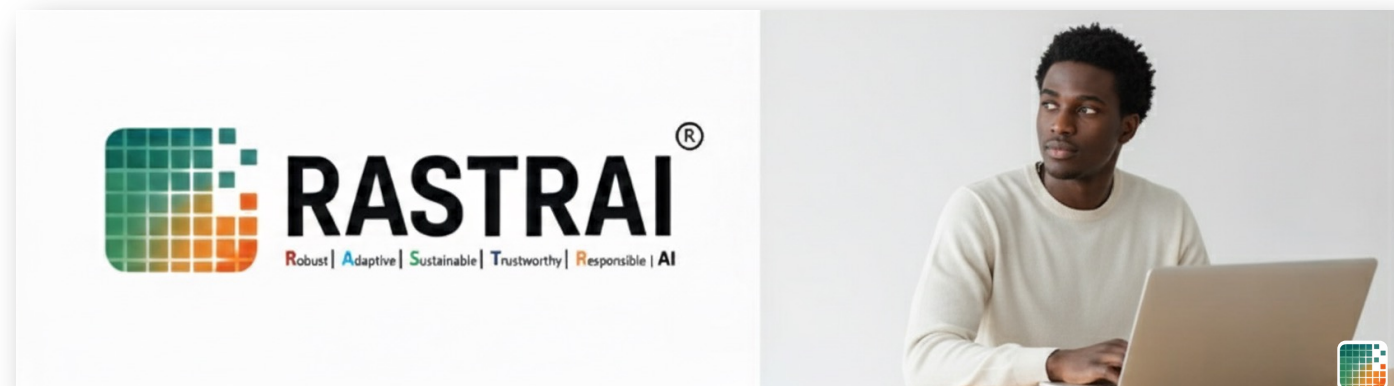


Generative AI Medical diagnostics Studio MRI





Generative AI Medical diagnostics Studio
Workflow Automation like skull striping



Generative AI medical Diagnostics Studio



What it is:

The **Generative AI Medical Diagnostic Studio** by **RastrAI** is a **multi-modal, generative AI platform** that empowers healthcare providers to automate and accelerate diagnostics. Using cutting-edge **vision-language models**, the studio can analyze MRI, X-ray, CT, and dental images, generate structured reports, and assist doctors through an intuitive chat-based interface. Designed for **seamless integration and scalability**, it works as a plug-and-play diagnostic assistant—bringing advanced AI capabilities to hospitals, clinics, and research centers without requiring deep technical expertise.

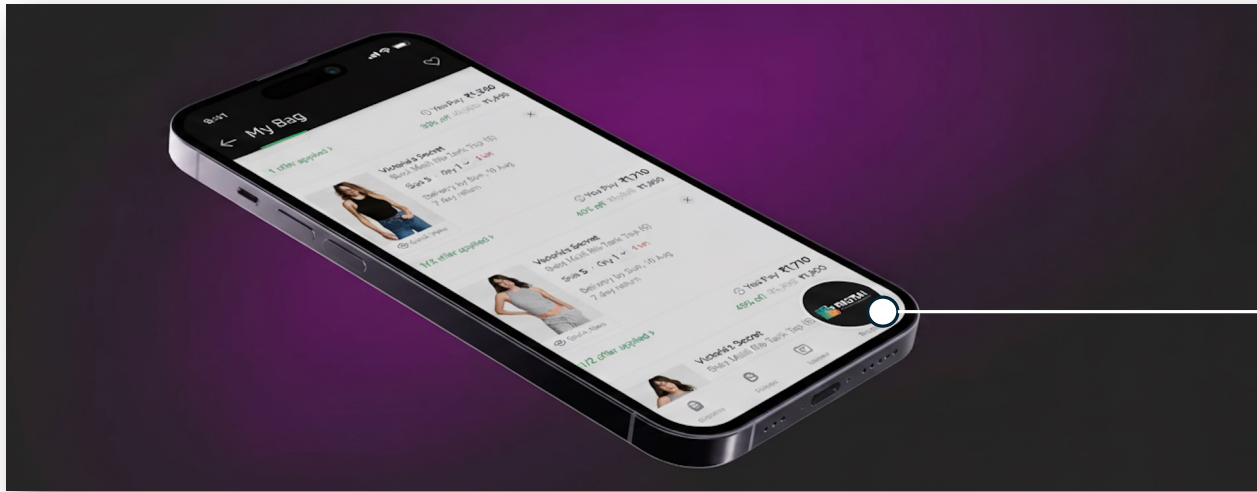
Why it matters:

- **Drastically reduces diagnostic lead time** through automated image interpretation and report generation.
- **Bridges the radiologist gap** by providing consistent, high-accuracy AI support in regions with limited specialists.
- **Improves clinical efficiency and decision-making** with real-time multimodal analysis and GenAI-powered insights.
- **Accelerates healthcare innovation** by integrating no-code/low-code tools for AI deployment and workflow automation.
- **Enhances accessibility and affordability**, democratizing AI-driven diagnostics for institutions of all sizes.



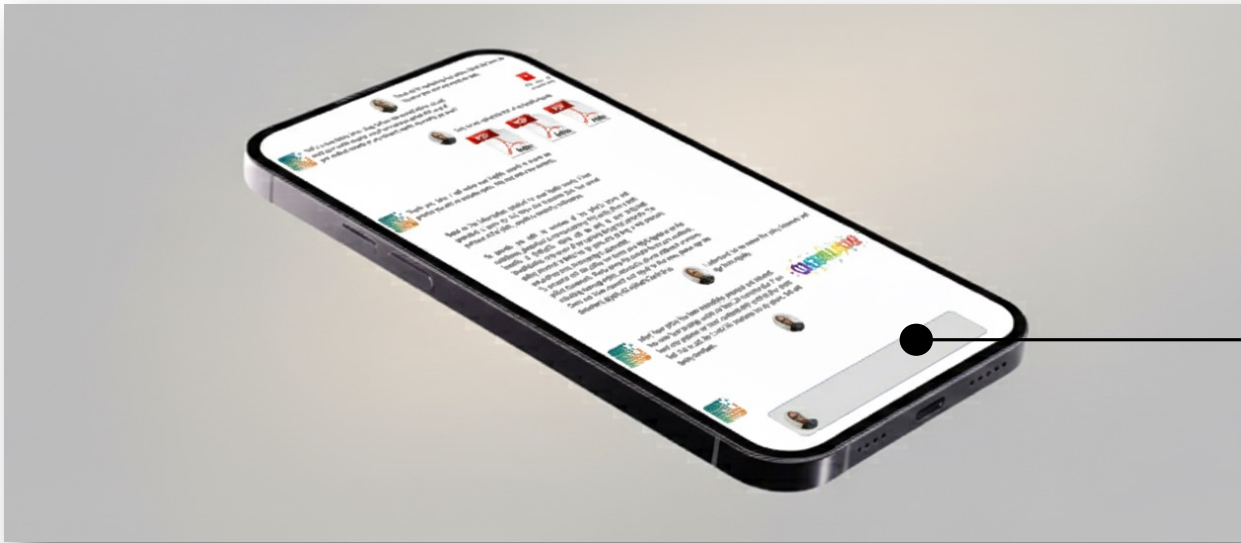
Other Innovations and Solutions

Visit: www.rastrai.com for solution demos



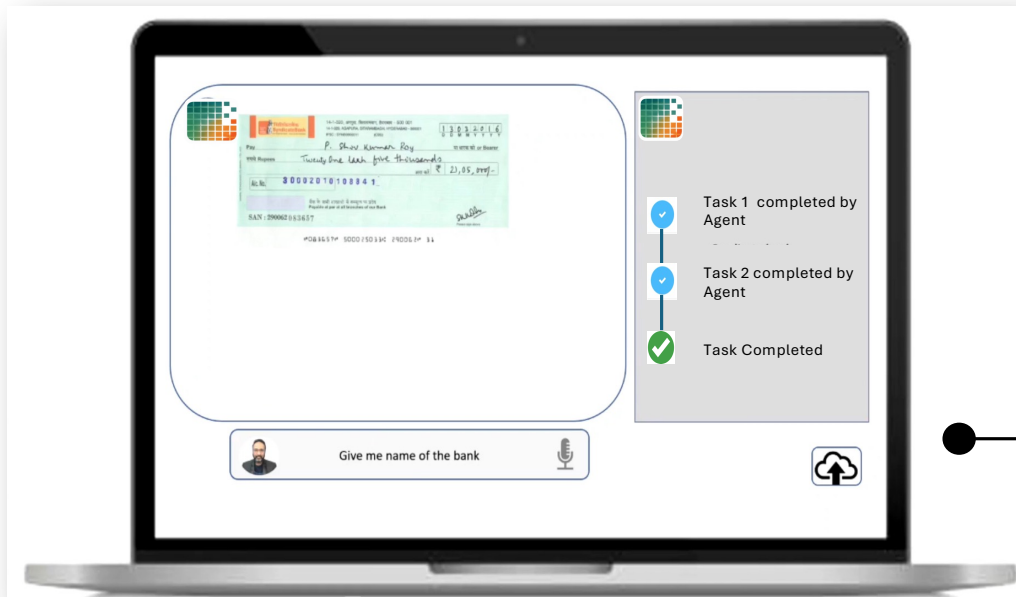
GenAI Shopping Assistance





Multi Agent GenAI Insurance Assistance

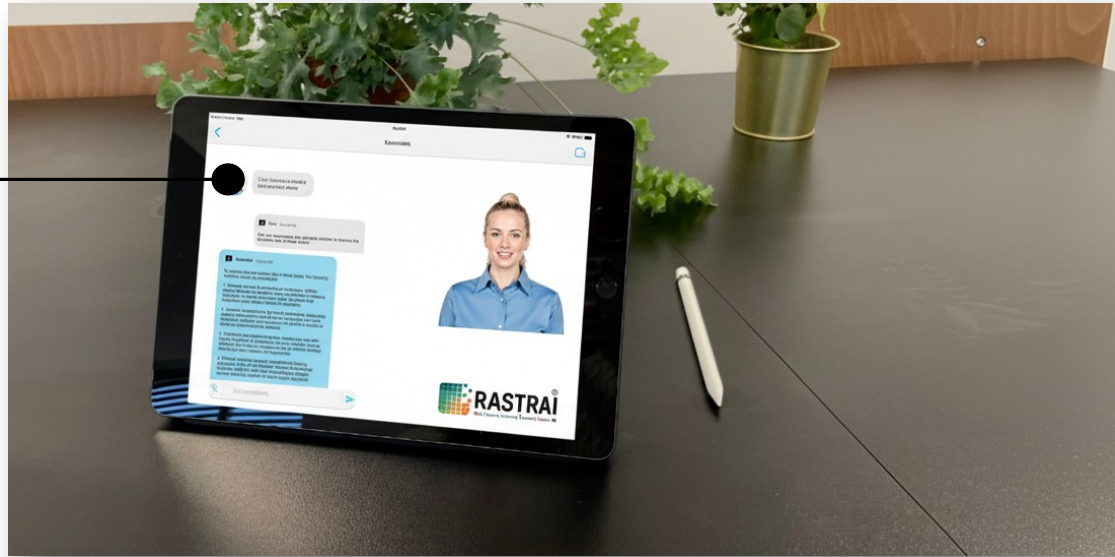


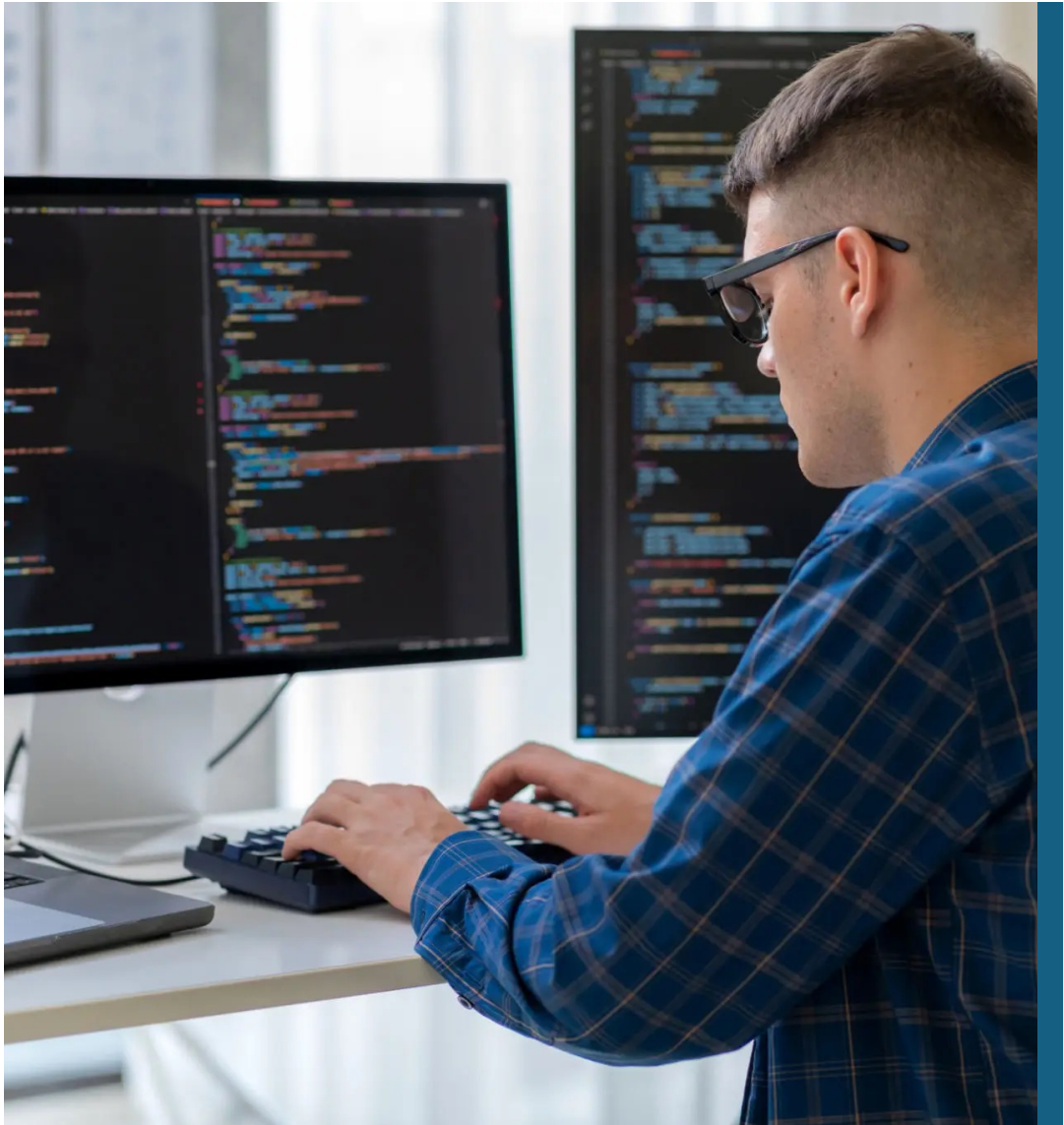


Agentic Multi Modal workflow
Automatic of scheduled Job



Avatar based Agentic AI





Research Contribution



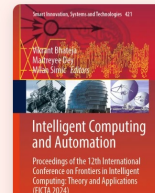
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Home > [Intelligent Computing and Automation](#) > Conference paper

Toward Foundation Models: A Simple Approach for Building Large Event Recognition Models [LERM] Using Federated Multi-instance Knowledge Distillation

Conference paper | First Online: 29 March 2025

pp 51–62 | [Cite this conference paper](#)



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[Indrajit Kar](#), [Sudipta Mukhopadhyay](#) & [Zonunfeli Ralte](#)

[Intelligent Computing and Automation](#)

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Conferences > [2024 IEEE 9th International C...](#)

Agents are All you need: Elevating Trading Dynamics with Advanced Generative AI-Driven Conversational LLM Agents and Tools

Publisher: **IEEE**

[Cite This](#)

[PDF](#)

[Indrajit Kar](#) ; [Zonunfeli Ralte](#) ; [Maheshakumara Shivakumara](#) ; [Rana Roy](#) ; [Arti Kumari](#) [All Authors](#)

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Cites in
Papers

RastrAI

Full
Text Views





3

ferences > 2023 IEEE International Confe... ?

Toward more Robust Skull Striping using Custom transformer and Combined Hausdorff loss

Publisher: IEEE

[Cite This](#)



Sudipta Mukhopadhyay ; Indrajit Kar ; [Zonunfeli Ralte](#) ; Rohini Das [All Authors](#)

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RastrAI, Bangalore, India

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Lattice | Volume-4 ISSUE-2

Multi-Modal Vibration Analysis of Industrial Motors using Cross-Attention-Based Transformers for Fault Diagnosis

Author(s): Zonunfeli ralte, Indrajit Kar

By ADaSci Published on June 26, 2023

Awards



Awards





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