

MIRA OUTCOMES

Sovereign AI Capability

- End-to-end ownership of datasets, models, architectures, and deployment pipelines.
- A model factory, not a single model — continuously producing AI systems.
- Culturally-aware, with **high EQ**, besides high IQ
- Constitutionally Aligned

Multilingual & Multimodal Assets

- Coverage across India's major languages.
- Unified systems integrating text, speech, and vision, evolving toward omni-modal intelligence.

Efficient & Scalable AI

- Compute-efficient architectures.
- Exploration of alternative training regimes and heterogeneous compute.
- Deployment-ready systems aligned with real-world constraints.

Translational Impact In

- Security & Governance
- Agriculture
- Commerce
- Education
- Healthcare
- Robotics & Science

Capacity Building

- Frontier research engagement
- PhD, graduate, and internship programs
- AI curriculum innovation
- Institutional AI systems engineering capability

MIRA:
MULTILINGUAL MULTIMODAL
INDIC RESOURCES FOR AI



LET US BUILD MIRA

A SOVEREIGN MODEL FACTORY
FOR FRONTIER AI SYSTEMS



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MIRA

A SOVEREIGN MODEL FACTORY
FOR FRONTIER AI SYSTEMS



BUILDING INDIA'S SOVEREIGN AI CAPABILITY
FROM DATA TO DEPLOYMENT

MIRA STACK

Apps



Distributed Training and Inference platform

Data Curation platform

Compute & Infra Platform

The MIRA STACK delivers the core building blocks of sovereign AI

- Curated multilingual and multimodal datasets,
- Frontier-scale foundation models
- Reusable libraries and toolkits, and
- Scalable training and inference platforms.

Each layer in the stack is designed as a reusable national asset, continuously versioned and improved. Together, they enable rapid application development across sectors while preserving control over data, architectures, and deployment pipelines.

This stack ensures that innovation is not episodic, but institutionalized through a sustained model factory approach

Datasets | Models | Platforms | Apps

MIRA EXECUTION

Engineering Track:

Deployment & Production Focus

- Build robust, scalable, production-grade AI systems
- Operationalize validated architectures and mature research
- Deliver high readiness, reliable, cost-efficient inference
- Ensure maintainability and deployment excellence

Applied Research Track:

Innovation & Future Capability

- Explore frontier architectures and efficient training paradigms
- Advance low-precision, compressive, and alternative methods
- Develop research that transitions into deployable systems
- Train researchers and build long-term innovation pipelines

Implementation Excellence



Innovation & Exploration

Development Readiness



Capacity Building

Engineering

Applied Research



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MIRA COLLABORATION

Deployment & Commercialization



Co-Creation



Shared Goals



Thematic Partnerships



MIRA operates as a sovereign platform with open collaboration, engaging partners for domain expertise, validation, and deployment—while retaining architectural and governance control.

Strategic collaborations with industry, academia, government, and startups co-create models, platforms, and applications across thematic areas. Partnerships are mission-driven and deployment-focused, ensuring solutions are scalable, sustainable, and grounded in real operational contexts.

Collaborations span security, agriculture, education, healthcare, commerce, robotics, geospatial intelligence, and scientific research—strengthening both national capability and global relevance

Cognicraft



Inflection AI™



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CSIR-Central Scientific Instruments Organisation
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Ministry of Science & Technology, Govt. of India

CORIOLIS TECHNOLOGIES

Kenpath™