



# From Consumption to Global Leadership - Open Source Summit

June 2026, Mumbai, India

Arpit Joshipura

GM/SVP, Networking, Edge/IOT

Head of LF India

# Open Source & India

LF India was launched at Kubecon New Delhi in Dec 2024

## LF India: Objectives



**Promote** Open Source Collaboration across India ecosystem (Enterprises, Startups, IGO)



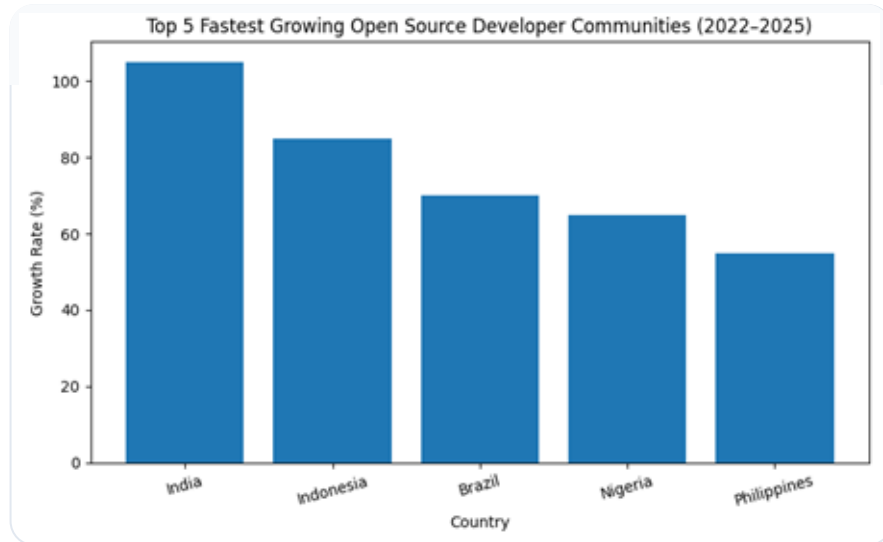
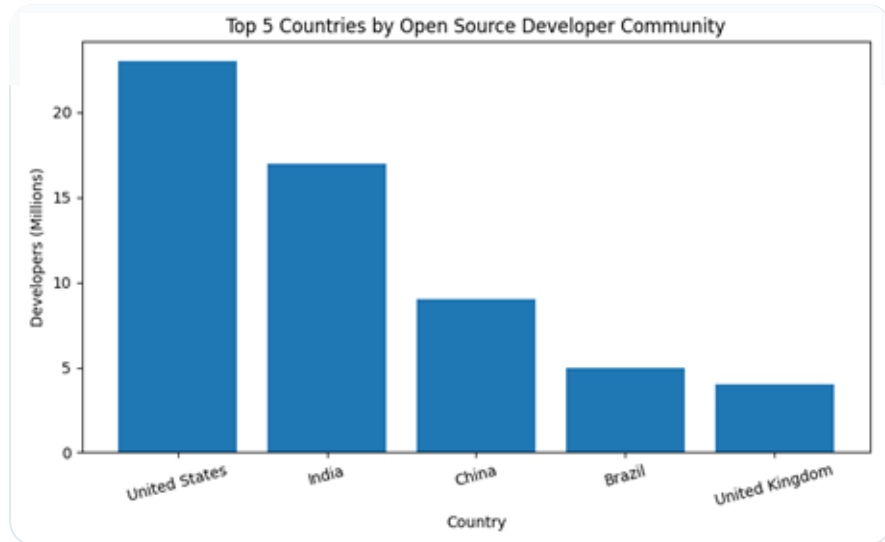
**Invest** in Developer Training, Events, Lab as a Sandbox for Innovation



**Support** India's mission of DPI with cutting edge open source technologies in Blockchain, Cloud, Telecommunications, Edge/IOT, Security, Domain Specific AI and more.

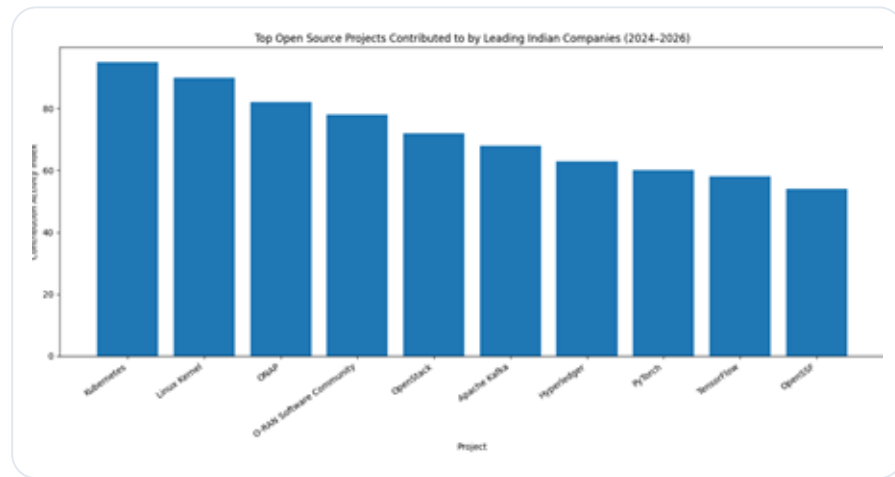
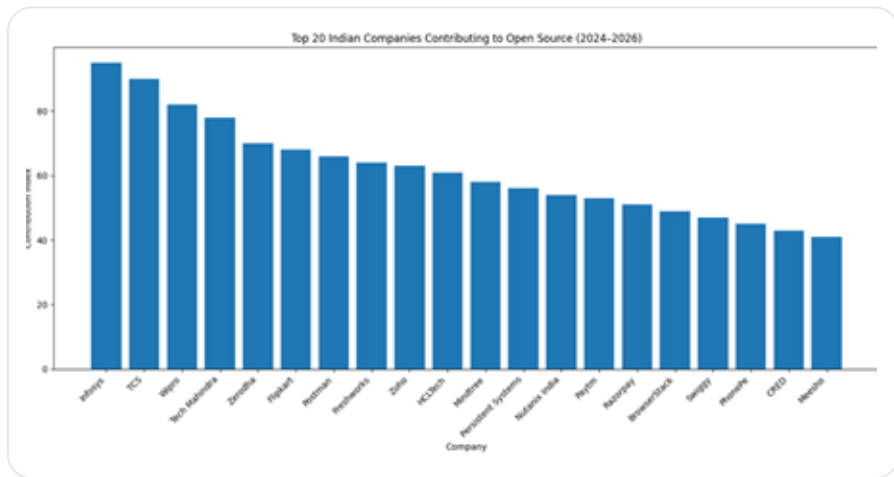
# Open Source gaining global traction

## India #2 and the fastest growing



*Local Collaboration, Global Impact*

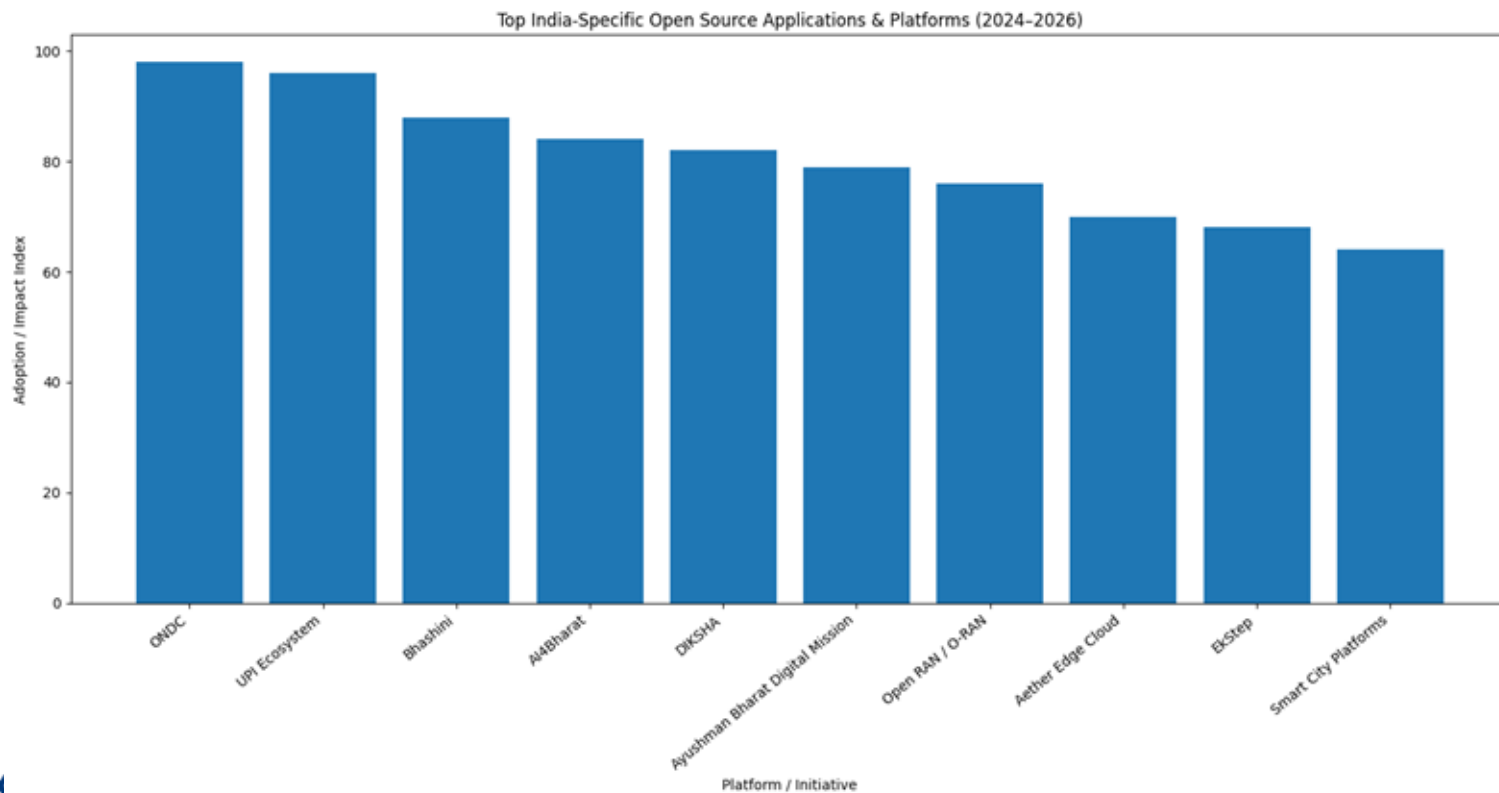
# Leading Open Source Contributions from India



**Infosys, TCS, and Wipro** are leading the way in global contributions.

**Kubernetes, Kernel, and Networking (ONAP & OSC)** are the top 3 LF projects.

# OSS Contribution from India, for India



# LF India - Open Source Foundations

SUB FOUNDATION TYPE	PHASE 1 LAUNCH	Aug 2025
Vertical Industry	 	  
Technology Enabler		
Horizontal Technology	 	 

Foundation Support (Leadership, Training, Marketing, Events, Ecosystem Partners, LF local members)

# What's New at LF?

Agentic AI Foundation, Tokenomics, OCUDU

# AI for Economic & Social Good in India

76%

of Indian startups use open source AI

\$32B

AI market by 2031 (from \$6B in 2024)

#1

Highest YoY AI hiring rate globally

200K+

Startups; #4 globally for funded AI cos

## Key Findings

### Open Source as Catalyst

76% of startups rely on open source AI for cost-effective localisation — lowering barriers across private and public sectors.

### Workforce Transformation

India has the highest YoY AI hiring rate globally. 45–69% of manufacturing & retail jobs face automation risk by 2030, offset by skilling.

### AI for Social Good

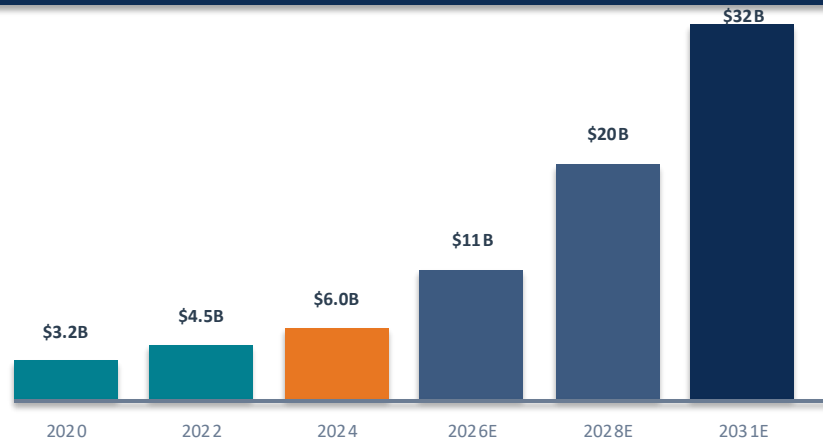
Adalat AI (judicial backlog), Farmers for Forests (3–5× income), Caze Labs' MeTProAI (clinical support) — all built on open source.

### Language Inclusion

Bhashini & Sarvam AI use open multilingual models for 20+ official languages, extending DPI to previously excluded populations.



## India AI Market Growth



Source: LF Research — AI for Economic and Social Good in India (Feb 2026)

# The Agentic AI Ecosystem Is Inflecting

Market size, model proliferation, and enterprise deployment — what the analysts are seeing



**Agentic AI  
Foundation**

**\$57.4B**

by 2031

Agentic AI market size

42% CAGR from \$7B in 2025

*Omdia, Markets and Markets (2026)*

**40%**

by end of 2026

Enterprise apps with task-specific agents

Up from <5% in 2025 — an 8x jump in one year

*Gartner (2026)*

**327%**

in under 4 months

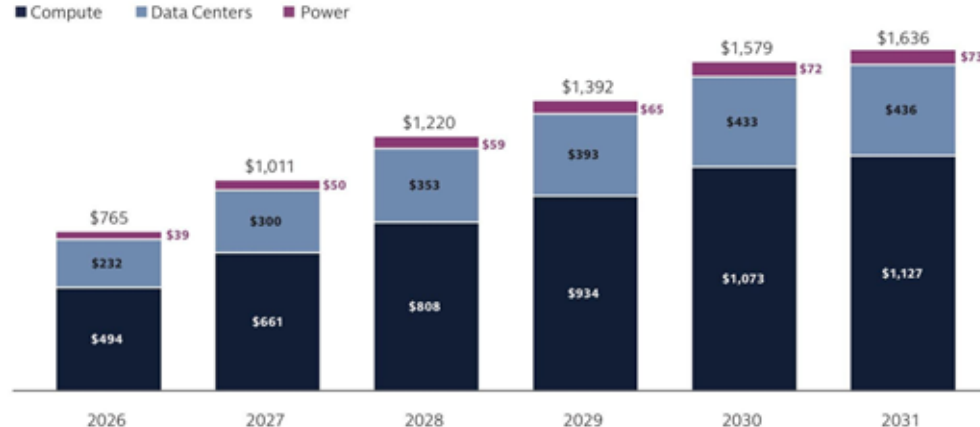
Growth in multi-agent system deployments

Single-agent → orchestrated specialist teams

*Databricks State of AI Agents (2026)*

## Baseline aggregate AI CapEx estimates (bn)

~\$7.6tr of capital between 2026 and 2031 across compute, data centers, and power



Source: Goldman Sachs Global Institute, Goldman Sachs Global Investment Research NVIDIA projections (as of March 3, 2026)  
 Note: Forecasts and expectations are based on material assumptions subject to change. Assumes NVIDIA accounts for 75% of total compute spend in each period. Assumes 5% YoY compute growth past the projection period (2031). Uses VR200 (Rubin) chip as baseline spec (\$80.5K per GPU [incl. node costs] and 3,000 W per package) across all years. Assumes 1.2 PUE, \$15mn per MW for data centers, and \$2,500 per kW for new power. Assumes 15% of required data center space is brownfield (i.e., excluded from calculation) in 2026, growing to 30% in 2031. Totals may not sum due to rounding.

**500K+**

Open models on Hugging Face

China leads with 41% of monthly downloads — *Hugging Face (2026)*

**1,636B**

AI CapEX spend by 2031

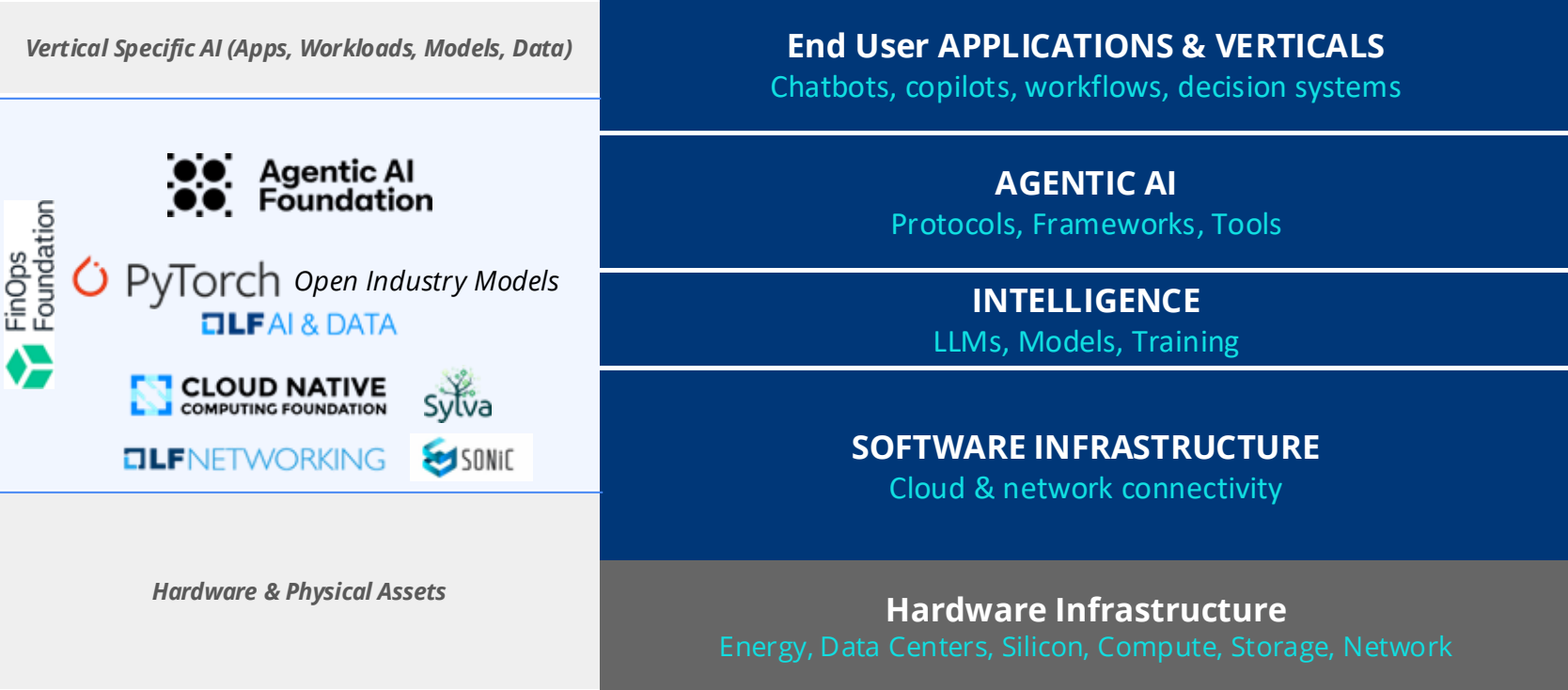
Source: Goldman Sachs Global Institute

**\$300–500B**

U.S. agentic commerce by 2030

10–25% of all U.S. e-commerce; McKinsey projects \$1T+ globally — *Bain & Company / McKinsey (2026)*

# 2026: Evolving AI Framework



# Agentic AI Stack: Layered Architecture

End User APPLICATIONS & VERTICALS

Chatbots, copilots, workflows, decision systems

## Trust & Safety

Identity & Access

Policy & Permissions

Guardrails

Human-in-the-Loop

Audit & Compliance

Privacy & DLP

## Layer 4: Agentic Platform

Governance and Control. [Agentgateway](#)

Agentic Runtime . [AGENTS.md](#), [Goose](#)

Protocols & Interfaces [MCP](#)

Data & Knowledge

Agentic Development . [Goose](#)

## Observability & Reliability

Tracing & Telemetry

Evaluation (offline + online)

Reliability & Rollback

FinOps & Cost

Feedback Loops

Lifecycle Mgmt

### INTELLIGENCE

LLMs, Models, Training

### SOFTWARE INFRASTRUCTURE

Cloud & network connectivity

### Hardware Infrastructure

Energy, Data Centers, Silicon, Compute, Storage, Network

# [ tokenomics ]

AI Tokenomics Foundation  
A Linux Foundation Project

Proudly supported by



# Solving Token Economics for all

*Greenfield. No playbook. Tokenomics is building reference implementations and layers that benefit everyone.*



## PRACTITIONER MINDS

*The buyers solving it at scale*

- Large Token Consumers
- AI-native enterprises
- Hyperscaler customers



## SUPPLIER MINDS

*The builders behind the spend*

- Hardware and Neoclouds
- Frontier model providers
- Inference platforms

**BEST PRACTICES**

**FRAMEWORKS**

**GUIDANCE**

Outcomes: **Token Factory Effectiveness (supply)** and **AI Business Value (demand)**

# OCUDU - Global Open Source RAN Ecosystem Foundation

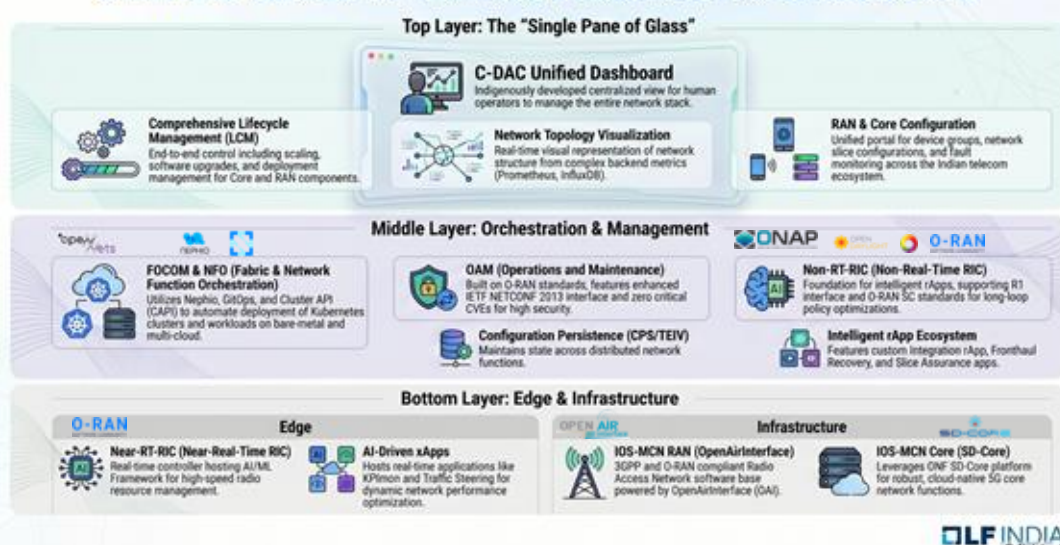


# Progress on Digital Public Infrastructure

## LF Networking & Decentralized Trust

# LF Networking & Edge - India leading with AI & RAN

## Unified-SMO: LF INDIA Platform Architecture



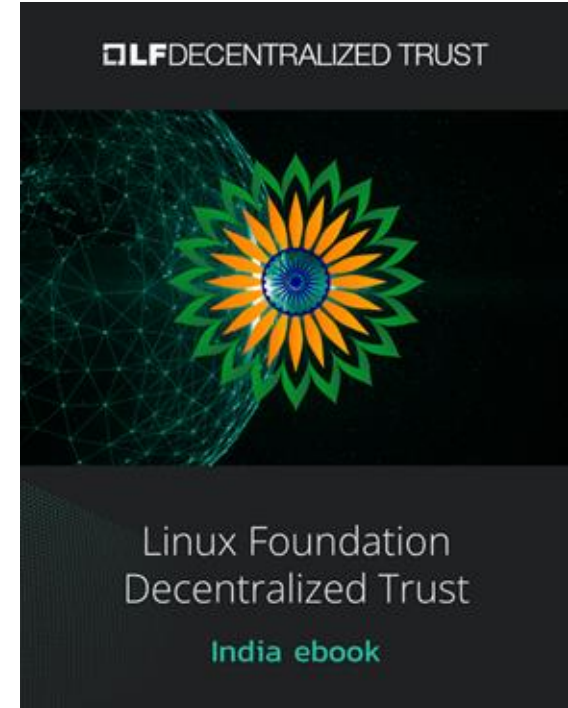
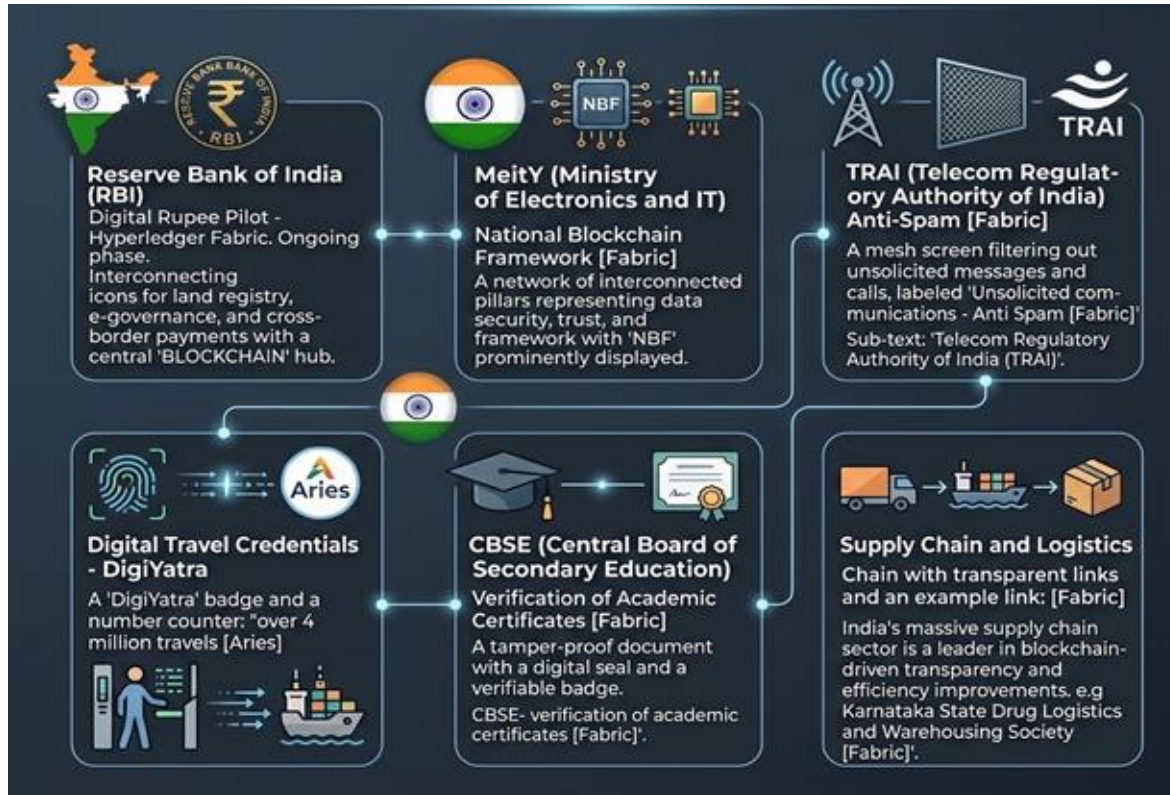
- Core Philosophy: Driven by "Minimum Development, Maximum Upstream Dependence," successfully leveraging global upstream code (O-RAN-SC, ONAP, Nephio, CNCF).
- Community Power: LF interns and the local open-source community are actively driving the crucial "glue code," automation scripts, and test frameworks to make the SMO production-ready.
- Key Collaborators: LF-India is driving the Unified-SMO in strategic collaboration with OpenNets and C-DAC Trivandrum .



India Open Source Mobile Communication Network



LF Decentralized Trust projects across blockchain, identity and cryptography have become key technologies in India's industry and digital public infrastructure projects.



The Opportunity

# India is at a once-in-a-generation inflection point.



## Contribute

Move beyond consumption. Donate code, lead projects, shape global standards from India.



## Collaborate

LF India's sub-foundations are your sandbox. Join working groups. Cross-pollinate telecom, AI, DPI.



## Leadership

India DPI Stack, Telecom OSS and more.. the world wants India's open source.

Open Source Summit India — June 2026 | LF India | [linux.foundation/india](https://linux.foundation/india)

**Thank You**

**QLF** INDIA