

Comet AI: Sovereign Browser for India

Empowering Every School with Privacy-First, Agentic AI.

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Mission: Bridging the digital divide through frugal, open-source innovation.



The Problem

The Gap

High-end AI (ChatGPT, Gemini) requires expensive hardware and high-speed internet.

The Reality

65% of Indian rural schools use legacy PCs (4GB-8GB RAM) with limited connectivity.

The Risk

Students in connectivity-shadow zones are being left behind in the AI revolution.

The Solution

A Chromium-based browser with integrated local intelligence.

Core Tech: Runs Ollama (Llama-3) natively on the device.

No Internet? No Problem.

No Cloud Costs? No Problem.

No Privacy Leaks? No Problem.

Key Features



Autonomous Web Agent

Automatically navigates government portals and ERPs.



Local RAG

Securely 'chats' with local school documents and records.



P2P Sync

Fast, offline file sharing between classroom devices via Wi-Fi.



Optimized Code

Hand-tuned to run smoothly on low-end institutional hardware.

Technical Architecture

- Privacy Boundary: All PII stays on the local disk.
- Local Stack: Electron Framework + Ollama Runtime + ChromaDB.
- Governance Gate: Cloud APIs only for non-sensitive, complex reasoning.

Market Opportunity

1.5M

Schools

250M

Students

\$10B

India EdTech Market

Target Segment: Tier-2 & Tier-3 government/private schools.
Growth: Aligned with 'Viksit Bharat 2047' vision.

Business & Social Model

- 100% Open Source: Built for public good and transparency.
- Monetization: Sustainable revenue via Search Engine Royalties.
- The Pledge: SaaS ERP (ponsrischool.in) for Gov schools FREE of cost.

TRL & Validation

- Current Status: TRL 6 (Prototype Demonstrated).
- Product Version: Comet v0.1.4-beta.
- Pilot Success: Deployed at Prathmik Vidhyamandir Ponsri.

Competitive Advantage

Feature	Standard Browsers	Comet AI
Privacy	Cloud-based	100% Local
Offline AI	No	Native Support
Automation	Manual	Agentic Action
Hardware	Resource Heavy	Low-Spec Optimized

Responsible AI & Compliance

- Privacy: Full compliance with India's DPDP Act 2023.
- Transparency: AI actions include 'Source Citation'.
- Human-in-the-Loop: AI suggests; humans approve.



Future Roadmap

- Hardware: Upgrade environment for quantization research.
- Bhashini: Integration for regional language interaction.
- Scaling: 100+ school pilots by Year 1.

The Closing Ask

Vision: World-class AI for every student, regardless of hardware.

Request: Mentorship, Cloud Credits, IndiaAI Mission Pilots.