

# India vs. DeepSeek

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## India vs. DeepSeek: A New Era in AI Computing

### Context:

- AI is a **key driver** of economic growth and national security.
  - China launched **DeepSeek**, an open-source AI model, prompting India to accelerate its AI initiatives.
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### India's AI Computing Infrastructure

- **₹10,300 crore** allocated for AI development (**IndiaAI Mission**).
  - **18,693 GPUs** deployed—**9x larger than China's DeepSeek**.
  - **AI computing cost: ₹100/hour** (global avg: \$2.5-\$3/hour).
  - **Five semiconductor plants** under construction for AI growth.
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### AI Models & Language Technologies

- **BharatGen**: First **government-funded multimodal LLM** (2024).
  - **Sarvam-1 AI**: Supports **10 Indian languages** with **2 billion parameters**.
  - **Hanooman's Everest 1.0**: Covers **35+ languages**, expanding to **90**.
  - **Chitralekha**: AI-powered **video transcreation platform**.
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### AI in Governance & Public Services

- **Mahakumbh 2025**: AI for **crowd monitoring & emergency response**.
  - **Railways**: AI-driven **passenger movement tracking**.
  - **Kumbh Sah'AI'yak**: AI **multilingual chatbot** for real-time assistance.
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### AI Talent & Industry Growth

- **India No.1 in AI skills** (Stanford AI Index 2024, Score: **2.8**).
- AI market to reach **\$28.8B by 2025**, growing at **45% CAGR**.
- **80% of Indian firms** prioritize AI (Global avg: **75%**).
- **78% of SMBs** using AI reported **higher revenue**.

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## AI Regulation & Future

- **Digital India Bill (2023)** to govern AI and data privacy.
- India is **building self-reliant AI infrastructure** and **affordable AI access** to become a global AI leader.



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