

PUBLIC SUBMISSION

Received: May 04, 2025
Tracking No. ma9-
zmno-54m9 **Comments Due:**
May 28, 2025 **Submission**
Type: API

Docket: NSF-2025-OGC-0001
NITRD_FRDOC_0001

Comment On: NSF-2025-OGC-0001-0001
Request for Information: Development of a 2025 National Artificial Intelligence Research and Development Strategic Plan

Document: NSF-2025-OGC-0001-DRAFT-0042
Comment on FR Doc # 2025-07332

Submitter Information

Name: Niraj Jha

General Comment

The following problems in artificial intelligence may be worth pursuing over the next 5-10 years.

1. Domain-specific superintelligence. The AI industry is pursuing artificial general intelligence based on a large language model (LLM) acquiring breadth of knowledge. However, for domain-specific superintelligence, what is required is depth of knowledge.
2. Reasoning in AI agents: Currently, LLMs are used to reason within AI agents. However, since LLMs hallucinate, they cannot be used in applications where accurate reasoning is important, e.g., medicine, law, business, and education. Thus, work is needed on neurosymbolic and counterfactual reasoning.
3. AI in healthcare: The rural areas are not well-served in terms of healthcare. This includes disease detection, well-being, and personalized medical decision-making. AI can potentially make each of these steps inexpensive and easy for a nurse practitioner in a rural area to implement.