

# PUBLIC SUBMISSION

<b>Received:</b> May 29, 2025 <b>Tracking No.</b> mb9-hu5e-cail <b>Comments Due:</b> May 28, 2025 <b>Submission Type:</b> Web
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**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-0187  
Comment on FR Doc # 2025-07332

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## Submitter Information

**Organization:** StudyFetch LLC

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## General Comment

Thank you so much for this opportunity to outline strategic priorities for research and development (R&D) in artificial intelligence (AI) in education.

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## Attachments

5.29.25 StudyFetch AI RFI Response - Docket ID No. NSF-2025-OGC-0001

May 29, 2025

**Subject:** StudyFetch LLC AI Alliance Response to Request for Information on the 2025 Development of a National Artificial Intelligence Research and Development Strategic Plan (Docket ID No. NSF-2025-OGC-0001)

**StudyFetch LLC (StudyFetch)** – a leading AI-powered studying and learning platform for institutions, students, teachers, and parents- welcomes this opportunity to outline strategic priorities for research and development (R&D) in artificial intelligence (AI) in education. We fully support the Administration’s [executive order](#) on advancing AI education for American youth. We believe workforce preparedness for the AI world begins with our youngest learners, and it must begin right now!

Any AI education policy must focus on helping students across grade levels understand and retain knowledge while maintaining critical thinking skills and preparing for an AI-integrated world and workforce. It is imperative for solutions to provide personalized study plans based on course materials that are tailored to each student's individual needs. Additionally, we must counter the popular narrative around student-facing AI solutions (shortcuts, cheating, and diminished critical thinking skills). This is not only possible, but it’s happening right now, as evidenced by StudyFetch’s latest [usage report of one million student interactions](#).

Student-facing AI education solutions are not optional. Our adversaries are investing heavily in AI education for students as young as six. If we wait, we lose.

For brevity purposes, we will dispense with presenting statistics relevant to America’s current global rankings in educational proficiencies and instead focus on how to close those gaps while also integrating AI into our education system.

StudyFetch recommends a two-pronged, staged approach to the problem.

### **Prong 1: Literacy and AI Literacy**

In order to effectively counter pre-conceived notions regarding AI in districts and households, it’s imperative that we start with a tangible solution to a widespread problem in our existing education system. Literacy is at the forefront of nearly every conversation surrounding education; far too many of our students read and write significantly below grade level. AI can help bridge that gap, and, deployed properly, we can simultaneously teach our students proficiency in AI prompting.

These solutions should be adaptable to closing the literacy gap for students of all ages, from early childhood to high school and beyond.

StudyFetch is sponsoring a Literacy Summit this summer to bring together thought leaders and AI developers to inform the design of our modules, enhancing traditional literacy while also teaching students future-focused AI skills for the start of the ‘25/’26 school year and beyond. Once implemented, solutions like ours need to be studied, evaluated, and enhanced in real time.

We don't have the luxury of two to three years for a traditional study on the efficacy of one solution vs. another. Development teams and researchers need to work hand-in-hand, revising solutions as we go, or our students will fall further behind.

This kind of enterprise will require federal research funding to foster an open line of communication among student-facing AI solutions, researchers, teachers, administrators, and parents. It will take a true collaborative effort to build and hone effective solutions.

Solutions and research focusing on mathematics and other disciplines can happen in parallel and/or sequentially, but we recommend starting with literacy as the most tangible, measurable, and impactful skillset.

## **Prong 2: Ethical, Equitable, and Responsible AI Integration in Learning and Workforce Readiness**

AI is being used by students of all ages every day and, in many, if not most, cases, it is being used inappropriately. Generic AI chatbots offer an easily accessible platform for students to cheat and take shortcuts, thus significantly degrading their critical thinking skills.

At this time, purpose-built, student-facing AI education systems are far too uncommon. Most solutions are either built exclusively for teachers or are essentially cheating tools marketed directly to students. Americans need a national commitment for AI platforms built to enhance critical thinking available to every student. As evidenced by the above-referenced StudyFetch usage report, when students are denied the option to be given a straightforward answer or have the assignment completed for them, they will naturally gravitate toward higher-order learning interactions.

Free AI solutions are not purpose-built and have the fewest (if any) guardrails to encourage true learning. Traditionally underserved communities are most impacted by this paradigm. As a result, the critical thinking proficiency gap is being exacerbated daily, especially amongst our most affected.

Comprehensive, multi-modal AI education systems are essential to building a workforce for the AI world. These systems need to not only enhance learning within the current curriculum but also identify "key future skills" that students are good at and enjoy. Once identified, those systems should then nurture the development of those skills throughout the educational journey.

Once again, research and deployment need to happen in parallel, as we do not have time to wait for a "perfect solution".

Federal research investment can help to enhance the research/industry partnership to continually tweak every solution. That partnership has to happen now.

Preparing students for the AI world is the only way to address the short and long-term Administration priorities of **economic competitiveness, national security, and human flourishing**.

Sincerely,

StudyFetch LLC

For any questions, please contact:

Sam Whitaker, Senior Director of Social Impact

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