

SEIZING THE ECONOMIC POWER OF ARTIFICIAL INTELLIGENCE

EXECUTIVE SUMMARY



REPORT PREPARED BY


accenture

Executive Summary

On August 28, 2024, the Indiana Chamber of Commerce Foundation (“Chamber”), in partnership with the Central Indiana Corporate Partnership (CICP) and Accenture, hosted the AI Leadership Summit (Summit) in conjunction with Rally. Rally is a two-day innovation conference held in Indianapolis, Indiana, which seeks to grow and foster cross sector innovation and harness that momentum in Indiana. In alignment with this mission, the Chamber invited subject matter experts from industries deemed by Indiana Economic Development Corporation as “most critical” to Indiana’s 10-year economic future: advanced manufacturing, agbioscience, life sciences, and logistics and transportation. With the growth of Artificial Intelligence (AI) and the emergence of Generative AI (GenAI), the summit served as the perfect platform to convene the business community and prognosticate about how these technologies will alter Indiana’s innovation driven economy. This report intends to capture lessons learned from the Summit and provide unique, actionable insights to better position Indiana’s business, political and academic communities for AI’s imminent impact on the state’s economy.

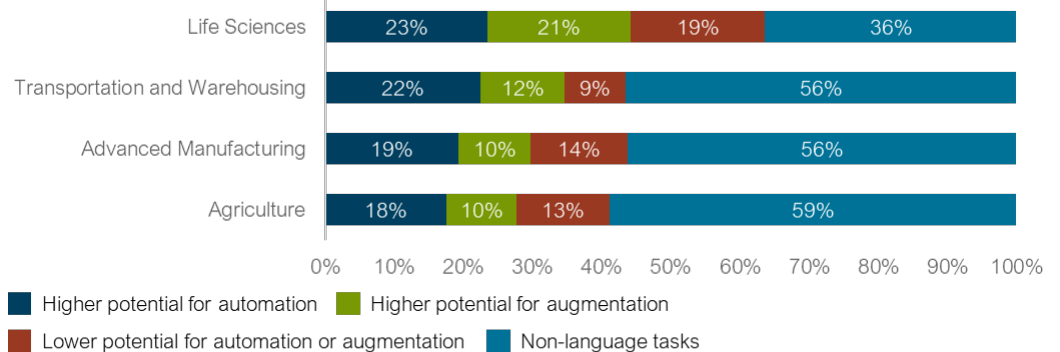
By our estimates, the GenAI revolution will create an estimated **\$87B in additional economic value for Indiana by 2038**. The total economic impact, however, will be dictated by the adoption approach employers choose: people-centric, aggressive, or cautious. A *people-centric approach, one that puts people first*, will improve labor productivity, have the largest economic impact and add 1.1 percentage points to the state’s average annual GDP growth rate.

In partnership with the Chamber, Accenture performed additional analysis on AI trends impacting the type of work within the key industries, how the requisite skills are changing, and how Indiana’s workforce can be prepared for this shift. Of the industries featured at the Summit, AI is most likely to impact jobs in the life sciences industry with 23% of work time expected to experience a degree of automation and 21% showing at least some potential for augmentation. Contrasted with the broader industry of agriculture, which has a lesser potential for automation and augmentation—showing 18% expected for automation with 10% of time anticipated to be augmented. A closer look at the top occupations in each industry shows even more variation. With the differing impact, business leaders will need to tailor their approach to workforce training and upskilling at both the industry level and the occupational level.

Indiana Economy Snapshot:

Above National Average in Labor Force Participation 63.0% Indiana, 62.7% US National Average
165,943 Job Postings in Indiana October 2023
\$404.29B Indiana GDP 19 th in the USA
20 Year High in Exports \$12.06B in Exports in 2022
3,302,000 Non-Farm Jobs September 2024
524,400 Manufacturing Jobs October 2024

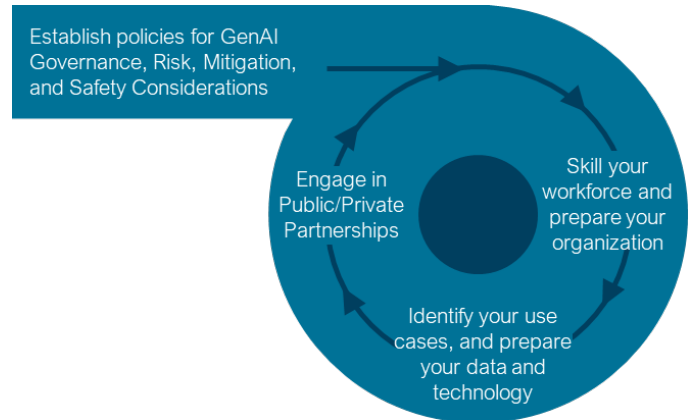
Work time distribution by industry and potential LLMs impact
Weighted by their employment levels in Indiana in 2023



Data shows that the real value of GenAI can be realized when employers embrace employee innovation and value their collective institutional knowledge, while ensuring the ecosystem has tangible exposure to the technology. Whether it be in the classroom or the plant floor, successful leaders will take a dual approach of teaching responsible principles and allowing for experiential learning.

We've outlined a four-step approach for small or large Indiana businesses to begin their journey of safely and effectively implementing GenAI toolsets in their workplace including:

- establishing policies for governance,
- skilling your workforce,
- identifying relevant use cases and preparing your data, and finally,
- engaging in public/private partnerships.



Throughout the use cases highlighted in this report, the common thread is that humans remain at the helm of each phase of the implementation life cycle (planning, work, decision making, etc.).

With that said, this new era of work will be characterized by continuous change. The way we do work and interact with work will take patience, commitment, and tenacity to realize the benefits of GenAI.

Collectively, Indiana's ecosystem needs to continue to educate, prepare workers, processes, and systems to adopt and adapt to GenAI. Broad training and upskilling will need to happen across the workforce, with subset developing deep AI and GenAI expertise. We recommend a methodology of "explore, experiment, and execute," and at each stage, the Chamber will be an active voice in helping businesses reach their goals and creating space for this to happen across the state. The Indiana Chamber of Commerce will continue to find opportunities to convene the business community, strengthen partnerships to grow its resource base, and otherwise help prepare Indiana businesses to compete nationally and globally as GenAI continues to change the business landscape.