

# An AI Opportunity Agenda for the United States

AI tools have the potential to fundamentally change the ways we live, work, and learn in almost every field of human endeavor. At Google, we're excited about the opportunities AI provides for people to innovate and grow, and the progress AI can make possible—sparking scientific breakthroughs, helping governments serve people better, and empowering workers and businesses around the world.

That future is not guaranteed. At this pivotal moment, the US needs a concerted and thoughtful effort to maximize AI's upside. While there's been a strong focus on addressing potential risks from AI, there is an urgent need for policymakers, companies, and civil society to work together to realize AI's promise. That is a job for all of us – and an enabling policy agenda can help all Americans fully benefit from the opportunities of AI.

## Helping American farmers increase crop yields

### The AI Opportunity in Action

People who work in agriculture need accurate forecasts, says CEO of Benchmark Labs, Carlos Gaitan, a 2023 Google for Startups Founders Funds recipient. "Farm managers aren't able to accurately plan their resource needs, increasing operating costs," Carlos explains. That's why Benchmark Labs' AI-based technology provides weather forecasts tailored to a farm's specific location. Equipped with Benchmark's tools, customers have increased their crop yields by 50 to 100 percent. Benchmark Labs has used Google Cloud since their founding in 2019 to develop, test, and validate machine learning models. Since delivering their first prototypes in 2020, revenue has doubled every year. "Google is helping us scale," Carlos says. "We're helping smaller farmers get precision tools that could mean the difference between staying in business or not."



## How can the US realize AI's transformative potential?

### 1. Invest in AI infrastructure and innovation:

To unlock AI's potential for everyone, support public and private investment in research and technical infrastructure, while maintaining a legal framework that enables innovators to convert ideas and data into new discoveries, products, and services.

### 2. Develop a thoughtful AI workforce strategy:

To ensure that AI enhances productivity and builds deeper knowledge and expertise for all workers, including underserved communities, invest in AI skilling and education programs that reach all students and workers across America.

### 3. Promote widespread adoption and universal accessibility:

To ensure the benefits of AI are widely shared, work with government, small businesses, and all sectors of the economy to harness the opportunities of AI.

To help ensure AI's benefits are widely shared, [Google.org](https://www.google.org) launched a **\$75 million AI Opportunity Fund**, which will help over one million Americans learn essential AI skills by providing funding to best-in-class workforce development and education organizations across critical segments of society

### 1. Invest in AI infrastructure and innovation:

By supporting R&D, compute capacity, and legal frameworks that enable responsible AI growth.

### 2. Develop a thoughtful AI workforce strategy:

By investing in education and skilling programs and building AI talent.

### 3. Promote widespread deployment of AI and universal accessibility:

By helping governments, small businesses, and traditional industries adopt these technologies.

- Continue to **drive public and private-sector investment in R&D and AI infrastructure** so that researchers, technologists, and businesses can access the tools needed to build and deploy AI, including by strengthening the National AI Research Resource (NAIRR) and passing the bipartisan CREATE Act.
- Maintain a **pro-innovation legal framework** that spurs dynamism across the entire ecosystem, including **privacy and copyright frameworks that enable use of publicly available information while respecting legitimate rights**.
- Promote responsible development of AI with key foreign partners, including through an AI Opportunity Alliance and support for digital trade and investment policies that enable cross-border data flows essential to the development of AI.
- Launch an **American AI Corps** that advances a shared commitment between AI developers, traditional industries, labor and workforce experts, and policymakers to prepare students and workers for the AI-supported era. The AI Corps should build domestic AI talent and modernize workforce and education programs to help people across all communities harness AI in dynamic environments.
- **Tailor new AI skilling efforts to meet local workforce needs** and explore partnerships between community colleges and AI developers to **launch AI workforce clinics**. Like the [cybersecurity clinic](#) model, AI clinics would **create on-the-job training programs and give students hands-on learning experience**. Policymakers could drive further impact by creating regional ‘AI hubs’ that match clinics and skilling programs to the needs of priority local industries and small businesses.
- **Support uptake and deployment of AI by small businesses and traditional American industries** – such as the agriculture, manufacturing, health care, and energy sectors. Over 80% of SMBs report potential benefits from AI usage; policymakers and AI companies must develop strategies to help small businesses that want to adopt and deploy AI.
- **Promote deployment of AI by federal, state, and local governments** – to improve delivery of public services and spur AI adoption across all sectors of the economy. Government agencies can address barriers to AI deployment by bringing in AI talent and adopting cloud-first standards and transparent procurement rules that support AI uptake.

#### Towards an AI Future

As the US seeks to unlock the potential of AI, policymakers have a critical role to play in developing frameworks that promote innovation and opportunity while supporting safety and security. Google applauds the strong vision in the **Senate’s Bipartisan AI Roadmap** to bolster US leadership on AI globally.

Google looks forward to partnering with policymakers, civil society, and businesses across all sectors of the economy to build an AI-supported future that benefits everyone.

