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Getting Started with AI

A Practical Guide for Professional, Team and Organizational Development

Customized executive leadership and organizational sessions can be booked to discuss a tailored plan to fast track your skill and knowledge levels and organization's use cases.

Preamble:

Successful AI initiatives begin with a focus on people, processes, and strategy—technology should come last. By prioritizing these foundational elements, organizations can establish a strong framework for AI adoption. It is essential to define a responsible AI strategy that aligns with organizational goals and stakeholder needs, identify the right technologies to support these objectives, and ensure robust infrastructure and data governance are in place. For more information on creating real organizational value see the Harvard Business Review article: Digital Transformation Is Not About Technology

This guide was created for the **Canadian AI ecosystem** which is rapidly expanding. We hope users will benefit from local resources and industry-specific examples and that by adding Canadian context around privacy laws, Indigenous data considerations, and Canadian funding opportunities, it will make your journey even more actionable and tailored for Canadian use cases.

CONTENTS

Artificial Intelligence (AI) can seem overwhelming at first, but with a grasp of some key terms and concepts, you will feel more confident navigating AI conversations and making informed decisions. This section offers simple explanations of essential AI concepts, helping you understand the technology without needing a technical background.

Artificial Intelligence (AI) refers to machines or software that can perform tasks typically requiring human intelligence. This includes activities like learning, problem-solving, reasoning, understanding language, and making decisions. AI systems can range from simple tools like spam filters to complex systems that predict health outcomes.

Machine Learning (ML) is a subset of AI where systems learn from data rather than following explicit programming. Think of it as training a dog: with enough examples and rewards, the dog learns to perform a task. Similarly, ML algorithms improve over time as they're exposed to more data. Examples: Netflix recommending shows based on your watch history or Healthcare systems predicting patient readmission risks.

> **AI Videos for Beginners**
>
> [Google AI for Beginners (10 mins)](#)
>
> [AI Tools Explain (2025) ~20 mins](#)
>
> [ChatGPT Tutorial 2025 (~27 mins)](#)

Natural Language Processing (NLP) enables machines to understand, interpret, and respond to human language—both spoken and written. It's what allows AI to process emails, translate text, or even hold conversations (like ChatGPT). Examples: Chatbots answering customer support questions or voice assistants like Siri and Alexa understanding voice commands.

Generative AI refers to systems that can create new content—text, images, music, code—by learning from existing data. These models can generate creative work or solve complex problems based on patterns they've learned. Examples: ChatGPT generating emails, reports, or code. DALL·E creating images from text prompts. Music AI tools composing original music tracks.

Large Language Models (LLMs) like ChatGPT and Claude are trained on vast amounts of text data and can understand, summarize, and generate human-like language. They use complex algorithms to process inputs and produce coherent, often insightful responses. LLMs are behind many of today's AI tools used for writing, customer service, legal document analysis, and more.

Other Useful Terms:

- **Deep Learning:** A more advanced type of machine learning that uses layered networks (similar to the human brain) to process large datasets—often used in voice recognition, image analysis, and self-driving cars.
- **Neural Networks:** The backbone of deep learning, designed to mimic how human brains process information.
- **Training Data:** The data used to "teach" an AI model how to make predictions or decisions.
- **Bias in AI:** When AI systems unintentionally reflect societal biases present in the data they were trained on (e.g., gender or racial biases). Understanding and addressing bias is critical in responsible AI use.
- **Ethical AI:** Refers to designing and using AI responsibly, ensuring fairness, transparency, privacy, and accountability.

Understanding these fundamentals is the first step in becoming AI-literate. As you dive deeper, explore real-world examples and start experimenting with AI tools (even simple ones like ChatGPT or Google Gemini) to see these concepts in action.

Need help applying these ideas to your work or organization? Reach out—We're happy to help you get started!

Whether you're completely new to AI or looking to enhance your existing skills, this guide provides curated resources to help you get started. Depending on your available time, skill level, and objectives, you'll find an overview of key concepts, practical applications, and recommended learning paths. Focus on upskilling yourself and your staff and then on practical use cases that create value for you and your organization. Be mindful of the AI hype cycle (graphic below) and getting caught up in "fear of missing out". A slow, thoughtful approach focusing on low-risk improvements is a great way to realize value. Here are a few approaches to help get you started.
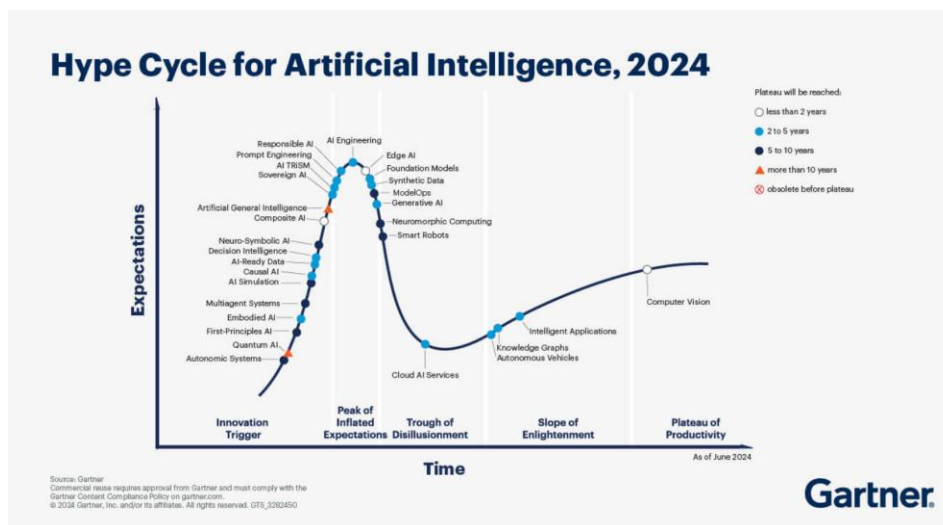
New to AI?

1. Start with a few audiobooks (see book list) to build foundational knowledge.
2. For a structured introduction, consider a virtual class that can offer curated resources and access to highly skilled knowledgeable leaders.
3. Experiment with a few free AI tools like ChatGPT through small projects listed in the AI Project Examples section (note to be mindful of sharing/uploading any private, sensitive, proprietary information). Need guidance? Reach out for a demo and personalized recommendations!

Dabbled a Bit?

1. Looking to deepen your understanding? Try the audiobook The AI-Driven Leader, which explores advanced use cases for leveraging AI in leadership.
2. Consider structured programs like Harvard Medical's executive AI course. If you're a PMI member, check out their free AI-powered project management tool.
3. Apply your knowledge through advanced AI projects, as outlined in *The AI-Driven Leader*. Need help getting started? We are here to assist!

Ready to Dive In?

1. Align AI with your goals – Define key challenges or inefficiencies in your organization and assess whether AI or other technologies could provide solutions. Avoid adopting AI just for the sake of it (fear of missing out).
2. Clarify desired outcomes – What improvements do you seek? (e.g., decrease costs, increase efficiency, enhance accuracy, reduce workload).
3. Upskill and plan resources – Identify the necessary skills, team members, and budget. Consider privacy, governance, and security implications.
4. Start small, learn fast – Begin with pilot projects before scaling. Need help identifying use cases, assessing value, or exploring approaches? Reach out!

[HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2024 | GARTNER](#)

AUDIOBOOKS

Audiobooks are an excellent way to integrate learning into your daily routine—whether during commutes, breaks, or focused work sessions. They offer accessible insights into AI's practical uses, leadership strategies, and implementation approaches. The following curated list highlights some of the most impactful titles we've explored.

To get started, we recommend listening to them in the order listed, especially if you're new to AI, as they build from foundational knowledge to more advanced applications. This list is not exhaustive, so if you have a book recommendation that's been valuable in your AI journey, we'd love to hear from you!

Audiobook Title	Notes	Links
Co-Intelligence: Living and Working with AI	Published April 2024. ~5 hrs. Good high-level overview if you are new and want a good base.	Co-Intelligence: Living and Working with AI (Audible Audio Edition): Ethan Mollick, Ethan Mollick, Penguin Audio: Amazon.ca: Books
The AI Driven Leader	Published Sept 2024. ~6 hrs. Really good uses cases from a leader's perspective (how would a leader use AI).	The AI-Driven Leader: Harnessing AI to Make Faster, Smarter Decisions: Geoff Woods: 9798990904002: Amazon.com: Books
The AI Playbook	Published Feb 2024. ~9 hrs Mastering the Art of Deployment. Deploying, scaling and creating organizational value is critical.	Eric Siegel, AI & machine learning keynote speaker and author PDF for audiobook - The AI Playbook

COURSES & TRAINING

Whether you're looking for a broad overview of AI in healthcare or seeking to develop leadership skills for driving digital transformation, there's a course to match your goals. This curated list highlights programs tailored for various experience levels, time commitments, and budgets—ranging from foundational overviews to in-depth leadership strategies. Consider factors like time investment, cost, and course focus when selecting a program that best aligns with your professional development needs. Many of these courses offer flexible formats, making it easier to balance learning alongside work commitments. By proactively acquiring relevant skills and knowledge, individuals can position themselves advantageously in Canada's evolving AI landscape. To stay on top of rapid changes in AI, individuals should consider:

- Upskilling: Engaging in continuous learning through courses and certifications in AI and related fields.
- Embracing Lifelong Learning: Staying updated with AI advancements to remain competitive in the job market.
- Developing Complementary Skills: Enhancing soft skills such as problem-solving, creativity, and adaptability, which are valuable alongside technical expertise.

Pro Tip: Some programs may be eligible for grants or funding opportunities (like BC's *Future Skills Grant*), so be sure to explore financial support options where available.

If you've completed a course not listed here that you found valuable, we'd love to hear about it!

Courses & Training	Notes	Links
NIHI/McMaster	High level overview. Good for beginners. 1 to 2 hrs week. ~10 weeks.	[Artificial Intelligence in Health Care - Course Catalogue - Courses - NIHI](#)
Harvard Medical	High level overview. No need to have a technical background as a prerequisite. 5 to 8 hrs week. 8 Weeks.	[AI in Health Care: From Strategies to Implementation Program	Harvard Medical School](#)
Simon Fraser University	Digital Transformation Leadership program. Focuses on approach to successful transformation leveraging technology (such as AI).	[Digital Transformation Leadership - SFU Digital Innovation and Leadership (DIAL)](#)
University of Victoria	This program enhances your AI skills so you can adapt to different situations in today's workplaces. With practical training, you'll build confidence and proficiency in commonly used AI technology, preparing you for tomorrow's challenge	[Applied AI for Administration	Continuing Studies at UVic](#) This program is eligible for the [StrongerBC future skills grant](#).
Vector Institute Launched in 2017 with support from the Government of Canada.	Training (and free training and programs) in AI (including Canadian content). Includes training on Bias, Excel, AI training for Clinical Leaders, scaling AI, etc. Purpose to advance Canadian AI research and application to fuel economic growth they are a globally renowned AI Institute that empowers researchers, businesses and governments, to develop and adopt AI responsibly.	[Training Archives - Vector Institute for Artificial Intelligence](#)

ARTIFICIAL INTELLIGENCE TOOLS

With a growing landscape of AI tools, it can be overwhelming to know where to start. This curated list highlights versatile and user-friendly platforms that are ideal for both beginners and experienced users. Each tool offers unique strengths—from creative problem-solving to data analysis and project management—so explore a few to find what best fits your workflow.

Getting Started Tip: Start with one tool and experiment with its core features before branching out. Comparing different platforms will help you discover which AI aligns with your personal or organizational needs.

Privacy & Security Reminder: Always review the privacy policies of AI tools before sharing sensitive, proprietary, or personal information. Avoid uploading confidential data, especially when using free or trial versions, as data handling practices can vary.

Whether you're focused on productivity, research, or creative tasks, this list offers something for everyone. If you come across other AI tools that have added value to your work, feel free to share them with us!

AI Tools	Notes	Links
ChatGPT (OpenAI)	Creativity, writing, problem solving. ChatGPT remains the most versatile for general tasks like creative writing, coding, and brainstorming.	ChatGPT **Free Tier:** Access to basic features at no cost. **Plus Plan:** $20 per user/month, offering enhanced capabilities and faster response times.
Gemini (Google DeepMind)	Integrated with Google searches and Google workspace tools (sheets, Gmail, docs, etc.). Gemini is the top pick for those who live in Google Workspace and need real-time data and multimodal capabilities.	**Gemini - chat to supercharge your ideas** **Free** version, standard features. **Standard Plan:** $14 per user/month, includes AI features integrated into Google Workspace apps like Gmail, Docs, Sheets, and Meet.
Claude (Anthropic)	Focuses on safe, human-aligned conversations. Good for context heavy tasks such as legal docs, policy writing, ethics. Claude excels in tasks requiring deep reasoning, ethical considerations, and long-context understanding. Web-based (no standalone app yet).	**Claude** **Free Tier:** Offers basic access with certain limitations. **Pro Plan:** $20 per user/month, providing access to advanced features and capabilities.
Copilot (Microsoft)	Embedded into Microsoft products (Word, Teams, Excel, Outlook, PowerPoint, etc.) Built on ChatGPT with MS Azure AI capabilities. Strong data security & compliance. Microsoft Copilot shines in enterprise productivity—if you're working heavily within Word, Excel, or Teams, it's a game-changer.	**AI Productivity Tools for Microsoft 365 | Microsoft 365** Must have a **Microsoft 365 subscription.** $30 per user/month, added on top of existing Microsoft 365 subscriptions, integrating AI capabilities into apps like Word, Excel, PowerPoint, Outlook, and Teams.
Perplexity AI	Ideal for research, quick fact-checking, and topic overviews. Every answer includes citations, ensuring transparency and allowing users to verify information. Perplexity AI is essentially a smart search engine – it is great when you need facts, recent news, or citations.	**Perplexity** **Free Plan:** Provides basic access with daily usage limits. **Pro Plan:** $20 per user/month, offering enhanced features, increased usage limits, and priority access.
PMI Infinity	AI program that is trained on all Project Management Institute knowledge including complex prompts.	PMI Infinity Must have a PMI membership (~200/year) and includes access to Infinity.
Ambient Listening	Ambient listening technology is revolutionizing healthcare by enhancing patient-provider interactions and reducing administrative burdens. Tools like Otter.ai exemplify this innovation, offering real-time transcription services that allow providers to focus more on patient care and less on notetaking. While ambient listening technologies offer numerous benefits, it's essential to address potential challenge (privacy, security, accuracy, consent, clinical workflows, integrations, etc.)	OtterAI AMA: AI Scribes for Docs AHIMA (American Health Information Management Association) Article Jan 2025 "As Interest in Ambient AI Grows, HI Professionals Focus on Clinical Documentation" National Library of Medicine: Ethical Issues in Using Ambient Intelligence in Healthcare Settings

Turn Knowledge into Action

The best way to truly understand AI is by rolling up your sleeves and experimenting. These curated projects are designed to help you apply what you've learned, build confidence, and explore AI's potential in real-world scenarios—whether you're just starting out or ready to take on more complex challenges.

Each project focuses on practical applications that require minimal technical expertise but still offer meaningful insights into how AI can be used across different industries and workflows. As you work through these examples, you'll begin to recognize how AI can streamline tasks, solve problems, and unlock new opportunities within your organization.

Tips for Getting Started:

- **Start Small:** Choose a project that matches your current skill level and available time.
- **Iterate & Experiment:** Don't be afraid to tweak, test, and explore different approaches.
- **Stay Focused:** Align each project with a specific goal or outcome—this helps measure success and demonstrates value.
- **Think Beyond the Tool:** Consider how these projects fit into broader strategies like improving efficiency, enhancing decision-making, or supporting innovation.
- **Reach out!** If you want a few demonstrations or help getting started, reach out and we would be happy to explore projects with you!

Pro Tip: Once you complete a project, reflect on what worked, what didn't, and how the approach could be scaled or applied to new challenges.

If you develop your own AI projects or find something that worked especially well, we'd love to hear about it!

AI Projects – Learner

Start with simple, hands-on projects using accessible tools that require little to no coding:

1. **AI-Powered Writing Assistant** – draft an email, cover letter, review your resume, summarize an article, or brainstorm content. Experiment with prompts to see how responses change.
2. **Image Generation with AI** –Create AI-generated images based on text descriptions. Explore different prompts and styles.
3. **Speech-to-Text Conversion** – transcribe a short meeting or voice memo and analyze the accuracy.
4. **AI Chatbot Experiment** – Set up a simple chatbot to respond in a specific tone or persona (e.g., customer service agent, personal coach).
5. **AI-Powered Search & Recommendations** – research a topic and compare the quality of AI-generated summaries versus traditional search engines.

AI Projects – Intermediate

These projects introduce more complexity and involve using AI for automation, data analysis, and decision-making:

1. **AI-Powered Productivity Hacks** – Automate daily tasks by summarizing emails, generating to-do lists, drafting meeting minutes.
2. **Data Visualization with AI** – Analyze a small dataset and generate visual insights, such as trends or predictive analysis.

3. **AI for Sentiment Analysis** –Analyze customer reviews or social media comments and classify sentiment (positive, negative, neutral).
4. **AI-Powered Resume/Cover Letter Generator** – Input a job description and generate tailored application materials. Experiment with refining results.
5. **AI-Powered Survey Tool** – Create a survey and explore different approaches and styles.

AI Projects Examples – Advanced

These projects involve deeper AI integration, more sophisticated AI tools, specialized skill sets/resources, workflow automation, and experimentation with models:

1. **AI-Powered Spreadsheet Assistant** – Use AI to generate formulas, summarize data, or automate repetitive tasks in Excel/Google Sheets. This is a great introduction to AI-assisted data management.
2. **Custom AI Chatbot Development** – Build a basic AI chatbot for a specific task and train it with a small dataset and refine responses.
3. **AI-Powered Business Process Optimization** – Streamline a repetitive business task (e.g., document classification, invoice processing).
4. **AI for Predictive Analytics** – Create a simple predictive model (e.g., forecasting future based on past trends).
5. **Voice Recognition & AI Automation** – Integrate AI into a workflow that automates tasks based on voice commands.
6. **AI-Powered Document Summarization** – Explore research, reports, or articles and generate concise summaries or key takeaways for faster review.

AI is a powerful tool, but its success depends on how well it aligns with your goals, processes, and strategy. Whether you're just exploring, building skills, or diving deep into implementation, the key is to start small, stay curious, and continuously learn.

AI is evolving rapidly—embrace experimentation, ask questions, and don't hesitate to reach out for guidance as you navigate this journey. Whether it's selecting the right tools, developing a responsible AI strategy, or brainstorming project ideas, we're here to help. Reach out anytime—we'd love to support you on your AI journey. The future of AI is being shaped today, and you have the opportunity to be part of it.

CONTACT US

This guide was created with the help of ChatGPT. We hope you enjoyed this "Getting Started with AI Guide". Feel free to share and any suggestions/feedback welcomed.

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LESSONS LEARNED & BEST PRACTICES IN AI ADOPTION

Getting started with AI is exciting, but without the right approach, it's easy to fall into common traps that can lead to wasted time, resources, and frustration. Here are some of the most frequent mistakes and how to avoid them.

1. Implementing AI Without Clear Goals

   Lesson: Jumping into AI just because it's trending, without a defined purpose or measurable outcomes.
   Approach: Start by identifying a specific problem AI can help solve—whether it's improving efficiency, automating tasks, or enhancing decision-making. Align AI implementation with business or personal objectives.

2. Over-Relying on AI Without Human Oversight

   Lesson: Assuming AI-generated results are always accurate and unbiased. Treat AI as an assistant, not a replacement for human judgment.
   Approach: Always validate AI-generated insights, especially in critical areas like healthcare, finance, or policymaking.

3. Underestimating Data Quality & Bias Issues

   Lesson: Using AI models without considering the quality, bias, or representativeness of the data they are trained on.
   Approach: Ensure high-quality, diverse, and unbiased data is used. If using external AI tools, understand how they are trained and be cautious of potential biases in their outputs.

4. Expecting AI to Work Perfectly Right Away
   Lesson: Assuming AI solutions will provide flawless results immediately.
   Approach: AI systems improve over time with iteration and refinement. Be prepared to test, tweak, and retrain models as needed.

5. Choosing the Wrong AI Tool for the Job

   Lesson: Picking an AI tool that doesn't fit your actual needs or workflow.
   Approach: Research and experiment with different AI tools before committing. Consider factors like ease of use, integration with existing systems, and security/privacy policies.

6. Ignoring Privacy & Security Risks

   Lesson: Uploading sensitive, proprietary, or personal data to AI tools without understanding privacy implications.
   Approach: Always read the terms of service and data policies before using AI tools. Use secure and enterprise-approved AI solutions where necessary.

7. Not Upskilling or Learning AI Basics

   Lesson: Using AI without a basic understanding of how it works, leading to poor implementation and missed opportunities.
   Approach: Invest time in learning AI fundamentals (e.g., machine learning, NLP, data ethics). Many free courses, webinars, and resources are available to help you build AI literacy.

8. Scaling Too Quickly Without Testing First

   Lesson: Trying to integrate AI broadly across an organization before testing its effectiveness.

Approach: Start small. Pilot AI in one area, measure its impact, refine the approach, and then expand.

9. Believing AI Can Do Everything on Its Own

Lesson: Thinking AI is a "magic bullet" that can instantly transform an organization without effort.
Approach: AI requires strategy, oversight, and iteration. Successful AI adoption involves a combination of human expertise, good data, and proper governance.

10. Ignoring the Ethical & Social Impact of AI

Lesson: Using AI without considering its ethical implications, such as fairness, transparency, and accountability.
Approach: Follow responsible AI practices, ensure transparency in AI decision-making, and consider ethical concerns before deploying AI at scale.

AI can be an incredibly powerful tool when used wisely, but like any technology, it requires thoughtful implementation and responsible use. By avoiding these common pitfalls, you can build a strong foundation for success with AI, whether in your personal projects or organizational strategies.

If you're unsure how to get started or need guidance on AI best practices, reach out!

AI FRAMEWORKS & GOVERNANCE

As AI technologies continue to advance, it's essential to adopt frameworks and best practices that ensure ethical, transparent, and responsible AI implementation. Governance plays a critical role in mitigating risks, promoting fairness, and safeguarding data privacy, especially in sensitive sectors like healthcare.

This curated list highlights key governance frameworks, regulations, and resources that shape AI policy both in Canada and globally. From national strategies to industry-specific guidelines, these frameworks help organizations navigate complex ethical considerations, legal compliance, and risk management when working with AI.

Why It Matters:

- **Accountability & Transparency** – Build trust by ensuring AI decisions are explainable and auditable.
- **Risk Management** – Reduce potential harm by following structured frameworks that address bias, privacy, and security.
- **Regulatory Compliance** – Stay ahead of evolving laws, such as Canada's *Artificial Intelligence and Data Act (AIDA)* and international standards like the *NIST AI Risk Management Framework*.

Whether you're designing AI tools, deploying them in healthcare, or simply exploring responsible AI practices, these resources provide foundational guidance. If you come across other governance models or ethical frameworks that should be included, feel free to share them with us!

AI Governance & Frameworks	Notes	Links
Artificial Intelligence & Data Act (AIDA) – Canada	Artificial intelligence (AI) systems are poised to have a significant impact on the lives of Canadians and the operations of Canadian businesses. In June 2022, the Government of Canada tabled the Artificial Intelligence and Data Act (AIDA) as part of Bill C-27, the Digital Charter Implementation Act, 2022.	The Artificial Intelligence and Data Act (AIDA) – Companion document
National Research Council Canada	Develops and promotes the use of AI systems that are ethical, transparent, and fair. Offers technical advisory services to help organizations adopt responsible AI practices.	Responsible AI - National Research Council Canada

Pan- Canadian AI Strategy	Canada is a world leader in the field of artificial intelligence. It is home to 20 public AI research labs, 75 AI incubators and accelerators, 60 groups of AI investors from across the country, and over 850 AI related start-up businesses. Canadians have also played key roles in the development of AI technology since the 1970s. Canada was the first country in the world to create a national strategy for AI, releasing it in 2017,	Pan-Canadian AI Strategy – CIFAR
CIFAR AI & Society Program	Global research organization founded in 1982, CIFAR has evolved and grown from a small group of Canadian academics to a leader in the global research community. More than 1,000 researchers from over 30 countries have contributed to research. Offers publications, training, updates, etc.	AI & Society – CIFAR
CAIAC	Canadian AI Association. Mission is to foster excellence and leadership in research, development and education in Canada's artificial intelligence community by facilitating the exchange of knowledge through various media and venues.	Welcome to CAIAC! | CAIAC Welcome | Canadian AI 2025 Conference
Global Partnership on AI **(GPAI)** (pronounced gee-pay)	Australia, Canada, France, Germany, India, Italy, Japan, Mexico, New Zealand, the Republic of Korea, Singapore, Slovenia, the United Kingdom, the United States of America, and the European Union*, have joined together to create the Global Partnership on Artificial Intelligence (GPAI or *Gee-Pay*)	Joint Statement from founding members of the Global Partnership on Artificial Intelligence - Canada.ca
NIST AI Risk Management Framework 2024	National Institute of Standards & Technology. Provides guidelines for identifying, assessing, and managing risks associated with AI systems, with an emphasis on trustworthiness and accountability	AI Risk Management Framework | NIST
CHAI **Coalition of Health AI**	Providing guidelines for the responsible use of AI in health and best practice development and frameworks for safe and equitable AI in healthcare. Consisting of an **Assurance Standards Guide**, provides considerations to ensure standards are met in the deployment of AI in healthcare. A set of draft companion documents, called The **Assurance Reporting Checklists**, provides criteria to evaluate standards across the AI lifecycle; from identifying a use case and developing a product to deployment and monitoring.	Home - CHAI - Coalition for Health AI
Diligent - Article	Why Good Governance is the secret of success in Digital Transformation. Published Sept 2021	Why good governance is the secret of success in digital transformation
Scientific Reports	Article - provides an explanation of what different metrics mean in the context of binary classification and gives a thorough explanation of how different metrics should be interpreted. Also includes an open-source web-based tool that may be used to aid in calculating the most relevant metrics presented.	On evaluation metrics for medical applications of artificial intelligence | Scientific Reports
Personal Information Protection and Electronic Documents Act (PIPEDA)	The Office of the Privacy Commissioner of Canada has provided recommendations for PIPEDA reform to address challenges posed by AI, emphasizing the need for transparency, accountability, and fairness in AI-driven data processing.	A Regulatory Framework for AI: Recommendations for PIPEDA Reform - Office of the Privacy Commissioner of Canada

Indigenous Data Sovereignty in Canada	Indigenous Data Sovereignty refers to the right of Indigenous Peoples to govern the collection, ownership, and application of their own data.	[Indigenous Data Sovereignty: A Catalyst for Ethical AI in Business - Vishal Rana, 2024](#)

ARTICLES & NEWSLETTERS

In the fast-evolving world of AI, staying up to date with current research, industry trends, and real-world case studies is essential. Whether you're exploring AI for the first time or actively leading digital transformation initiatives, curated articles and newsletters can offer fresh perspectives, highlight common pitfalls, and showcase successful strategies across industries.

This collection of thought leadership articles, industry insights, and expert newsletters covers a range of topics— from the role of data in digital transformation to AI's growing impact on healthcare and lessons learned from failed innovation efforts. These resources provide actionable guidance and in-depth analysis to help you stay ahead of the curve. Why It's Worth Reading:

- Real-World Examples – See how organizations are successfully (and unsuccessfully) implementing AI.
- Expert Insights – Get perspectives from leading researchers, analysts, and industry thought leaders.
- Practical Takeaways – Discover frameworks, use cases, and strategies you can apply to your own projects.

Pro Tip: Subscribe to newsletters like *Machine Learning Times* to get regular updates on emerging trends, tools, and best practices in AI.

If you have a go-to newsletter or article that's helped shape your AI understanding, let us know, and we'll consider adding it to the list!

Articles & Newsletters	Notes	Links
Harvard Business Review	Article on success deploying and realizing value of digital transformation.	[Digital Transformation Is Not About Technology](#)
Neuroscientist explains differences between AI and human learning	High level overview of how it works.	[Neuroscientist explains differences between AI and human learning](#)
HIMSS Digital Maturity Models	Lots of great models to explore.	[Explore Digital Maturity Models for Healthcare	HIMSS](#)
Machine Learning Times	Newsletter - Great up to date articles on ML advancements.	[Machine Learning Times](#)
Gartner	Article – Why Data and Analytics are key to Digital Transformation	[Why Data And Analytics Are Key To Digital Transformation](#)
Deloitte	Biopharma digital transformation: Gain an Edge with leapfrog digital innovation	[Biopharma digital transformation	Deloitte Insights](#)

HIMSS	Top 10 Use Cases for AI in Healthcare	Contributed: Top 10 Use Cases for AI in Healthcare	MobiHealthNews
HIMSS	AI in Healthcare: How it is Changing the Industry	AI in Healthcare: How It's Changing the Industry	HIMSS
Blake Morgan	Companies that Failed at Digital Transformation and What We can Learn from Them	Companies That Failed At Digital Transformation And What We Can Learn From Them	LinkedIn
Journal of AHIMA	The Role of AI in Enhancing Delivery of Healthcare	The Role of Artificial Intelligence in Enhancing the Delivery of Healthcare
AA for Physician Leadership – John Glaser	Four observations that may help to demystify the process of innovation and ensure that it actually produces results.	How to Ensure That Your Healthcare Innovation Doesn't Flop	AAPL Publication
Price Waterhouse Cooper	Enables you to quickly start using a single GenAI model for multiple functions and tasks. An AI factory approach enables you to scale quickly by focusing on repeatable patterns across your value chain instead of one-off use cases. Includes overview of 6 critical roles needed.	Guide to generative AI for the CIO: PwC

AI FUNDING & GRANTS IN CANADA

Canada offers a variety of funding programs to support businesses and individuals interested in adopting and developing Artificial Intelligence (AI) technologies. Below are some notable initiatives:

1. **Regional Artificial Intelligence Initiative (RAII)** is a $200 million investment by the Government of Canada to accelerate AI adoption and commercialization. Delivered through Canada's regional development agencies, RAII provides funding of up to $3 million per project for businesses and up to $5 million per project for not-for-profit organizations. The initiative focuses on sectors such as agriculture, clean technology, healthcare, and manufacturing. Regional Artificial Intelligence Initiative – Government of Canada

2. **CIFAR AI Catalyst Grants** aim to stimulate new interdisciplinary AI research collaborations. These grants support projects that explore innovative applications of machine learning across various domains, fostering partnerships between AI researchers and experts in other fields. CIFAR AI Catalyst Grants

3. **AI Compute Access Fund** As part of the 2024 federal budget, the Government of Canada announced the AI Compute Access Fund, allocating approximately $2 billion to enhance AI infrastructure and business development. This fund aims to bolster computing capabilities and technological infrastructure, facilitating AI research and scaling startups. cassels.com

4. **GetGranted Platform** offers a platform that helps businesses identify accessible grants aligned with their industry, activities, and objectives. This tool is particularly useful for companies at the early stages of their AI adoption journey, providing insights into available funding opportunities. Canada's AI Grant Opportunities for Small Businesses

These programs and resources provide substantial support for AI initiatives in Canada, catering to a range of needs from research and development to commercialization and international collaboration. Staying informed about current funding opportunities is essential, as program availability and criteria can change over time.