



Propelling AI Innovation, Augmenting the Future

A Global Applied AI Leader From Supply Chain Software to Digital Health and CAVs, Our Talent Delivers

When it comes to applied artificial intelligence, few markets rival Ottawa. There is a wealth of great fundamental AI research underway across Canada. When it comes to applied AI, Ottawa's ecosystem is truly world-class. "Ottawa is a global AI hub. Our ecosystem is anchored by a well-developed, mature AI industry that underpins innovation across all sectors of our economy," says David Rodas-Wright, Senior Software Sector Strategist at Invest Ottawa. "When coupled with high growth startups and scaleups developing novel applied AI solutions, Canada's Capital is a hotbed of AI opportunity for local, domestic and foreign innovators, firms and investors."

From IBM's Watson analytics platform, an innovation further developed by Ottawa's Cognos engineering team well known for defeating Jeopardy champions, to innovation in smart cities, cybersecurity, digital health and smart government, Ottawa's AI footprint has grown substantially over the past 12 years. Canada's Capital boasts cutting-edge, industry-ready solutions in energy-grid optimization, public-opinion tracking, smart health and mobility solutions, on-device authentication, and supply-chain management. Ottawa's billion-dollar advanced communications and 5G sector is also leveraging AI to create new solutions and bolster the performance of existing products and services.

Ottawa at a Glance

1,440,000
National Capital
region





1,750
Knowledge-based
companies

76,200
Total tech
workforce



- Home to global AI leaders such as BlackBerry QNX, IBM, MindBridge AI and Shopify
- Ottawa AI innovations and solutions are advancing foundational technologies, pioneering new products, and creating a more robust backbone for essential infrastructure
- Ottawa boasts the top concentration of tech talent per capita in all of North America at 11.3%
- Ottawa is Canada's most educated workforce with 61% of our workforce holding a post-secondary degree
- A G7 capital, Ottawa is home to Canada's federal government, 65 government research labs and 136 foreign embassies

Our immigration advantage

-  Get work permits in as few as two weeks
-  Two dedicated programs
-  No quotas or caps
-  Pathway to permanent residency



INDUSTRY

Sector stars and startups

- Headquartered in Ottawa, BlackBerry QNX technology is embedded inside more than 175 million vehicles worldwide. The company has committed \$300 million to develop and drive towards full autonomy and L5 capability.
- IBM officially introduced a Machine Learning Hub to Ottawa in Spring 2020 — one of five in the world — to support startups and scaling companies.
- MindBridge Ai, Ottawa's world-leading fintech company, was recently named to the World Economic Forum's list of 100 technology pioneers. The firm has attracted more than \$40 million in venture capital.
- Shopify has invested \$1 billion in R&D to incorporate AI into its network-fulfillment centres in the U.S. and Canada.

ACADEMIA

Tech talent feeders

Ottawa is home to many AI research stars including:

- Carleton University Professor Yuhong Gou is a Canada CIFAR AI Chair, specializing in AutoML or automated machine learning and reduced human intervention.
- Canada Research Chair Lionel Briand's Nanda Lab at the University of Ottawa is leading research in software verification and validation, including applying AI techniques to enable effective and scalable automation.

GOVERNMENT

Support systems

- The National Research Council of Canada's Data Analytics Centre brings together 35 machine-learning experts and state-of-the-art algorithms to help industry and scientific players.

Highlights of Ottawa's AI Ecosystem

INDUSTRY LEADERS



ACADEMIA



GOVERNMENT



Three Reasons to Establish and Expand Your Business in Ottawa

- **Most affordable among all Canadian and U.S. cities**
- **Second highest concentration of engineers and scientists in North America per capita, just behind Silicon Valley**
- **Nearly 20 million consumers within a 400-kilometre radius, more than Toronto or Montreal**

Let Us Help You Achieve Your Goals
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