

Job Posting:169162 - Position: F25 IPC - Machine Learning Developer Intern - Advanced Analytics (8-12 months - Toronto/Montreal) 169162 E1

Co-op Work Term Posted:	2025 - Fall
App Deadline	05/30/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	05/16/2025 09:48 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	IBM Canada Ltd.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 IPC - Machine Learning Developer Intern - Advanced Analytics (8-12 months - Toronto/Montreal) 169162 E1
Position Type	Co-op Position
Job Location	Various Locations
Country	Canada
Duration	8 or 12 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Introduction

We are seeking enthusiastic and driven interns to join our AI/ML and Advanced Analytics team. This internship offers an opportunity to work on cutting-edge projects involving machine learning, artificial intelligence, advanced analytics, and data science. You will gain hands-on experience developing and deploying AI-driven solutions for real-world applications in domains such as payments systems, advanced analytics, and edge AI hardware.

Your role and responsibilities

This position is open to applicants who reside in Toronto or Montreal and is open to applicants seeking an 8 or 12 month internship work term, commencing in September 2025. It is mandatory that all applicants are enrolled in full-time studies at a post-secondary institution and returning to full-time studies upon completion of their work term.

Our team is looking for candidates with exceptional technical aptitude, a passion for applied data science, and an interest in solving business challenges with machine learning.

The successful candidate will join a fast-paced consulting team, composed of Partners, Product Managers, Data Scientists, Architects and Software Engineers to conceptualize, develop and deploy machine learning solutions to solve enterprise-scale problems. As a team, we pride ourselves on tackling some of the most difficult challenges our clients face by bringing together subject matter expertise, data science, and technical execution.

As a Machine Learning Developer Intern - Advanced Analytics, you'll have the unique opportunity to learn and use industry-leading ML technologies on a cloud platform (e.g. IBM Cloud, Azure, AWS or Edge) by working on a project that generates value for external client engagements or internal initiatives.

Additional details include:

- Develop and deploy advanced machine learning models for predictive analytics, anomaly detection, and optimization in business-critical systems, such as payments platforms and supply chains.

- Design and implement analytical pipelines to process structured and unstructured data, supporting real-time decision-making and insights generation.
- Build models for predictive maintenance, customer behavior analysis, fraud detection, and operational efficiency improvement.
- Leverage advanced statistical methods and machine learning techniques (e.g., regression, classification, clustering, deep learning) to solve complex business problems.
- Integrate ML models with analytics platforms and visualization tools for actionable insights delivery.
- Collaborate with data engineers to ensure data pipelines are robust, scalable, and optimized for ML model training and deployment.
- Monitor and retrain deployed models to ensure they meet performance and accuracy benchmarks over time.
- Conduct exploratory data analysis (EDA) to uncover trends, correlations, and insights that inform strategic decision-making.
- Apply natural language processing (NLP) techniques for text analytics, sentiment analysis, and document classification.
- Ensure compliance with data privacy and security regulations in all analytics workflows.

Candidates considered for a Quebec position must be fluent in French.

ABOUT BUSINESS UNIT

IBM Consulting is IBM's consulting and global professional services business, with market leading capabilities in business and technology transformation. With deep expertise in many industries, we offer strategy, experience, technology, and operations services to many of the most innovative and valuable companies in the world. Our people are focused on accelerating our clients' businesses through the power of collaboration. We believe in the power of technology responsibly used to help people, partners and the planet.

YOUR LIFE @ IBM

In a world where technology never stands still, we understand that, dedication to our clients success, innovation that matters, and trust and personal responsibility in all our relationships, lives in what we do as IBMers as we strive to be the catalyst that makes the world work better.

Being an IBMer means you'll be able to learn and develop yourself and your career, you'll be encouraged to be courageous and experiment everyday, all whilst having continuous trust and support in an environment where everyone can thrive whatever their personal or professional background.

Our IBMers are growth minded, always staying curious, open to feedback and learning new information and skills to constantly transform themselves and our company. They are trusted to provide on-going feedback to help other IBMers grow, as well as collaborate with colleagues keeping in mind a team focused approach to include different perspectives to drive exceptional outcomes for our customers. The courage our IBMers have to make critical decisions everyday is essential to IBM becoming the catalyst for progress, always embracing challenges with resources they have to hand, a can-do attitude and always striving for an outcome focused approach within everything that they do.

Are you ready to be an IBMer?

ABOUT IBM

IBM's greatest invention is the IBMer. We believe that through the application of intelligence, reason and science, we can improve business, society and the human condition, bringing the power of an open hybrid cloud and AI strategy to life for our clients and partners around the world.

Restlessly reinventing since 1911, we are not only one of the largest corporate organizations in the world, we're also one of the biggest technology and consulting employers, with many of the Fortune 50 companies relying on the IBM Cloud to run their business.

At IBM, we pride ourselves on being an early adopter of artificial intelligence, quantum computing and blockchain. Now it's time for you to join us on our journey to being a responsible technology innovator and a force for good in the world.

IBM is proud to be an equal-opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender, gender identity or expression, sexual orientation, national origin, caste, genetics, pregnancy, disability, neurodivergence, age, veteran status, or other characteristics. IBM is also committed to compliance with all fair employment practices regarding citizenship and immigration status.

Job Requirements

Candidates considered for a Quebec position must be fluent in French.

Required technical and professional expertise

- Proficiency in Python, R, or Java for AI/ML model development and testing

- Strong data modeling skills, including the ability to design and implement normalized and denormalized schemas
- Proficiency in encryption technologies and secure data handling, including experience with encryption protocols, data masking, and access control mechanisms
- Experience with data integration tools and frameworks for real-time and batch data processing
- Knowledge of cloud platforms and cloud-native database services, including serverless computing, data lakes, and containerized data workloads
- Strong troubleshooting skills to identify and resolve performance, integration, and data quality issues in complex data ecosystems
- Ability to work effectively with cross-functional teams, ensuring that data solutions meet business and technical requirements
- Familiarity with data governance practices, ensuring compliance with data privacy regulations and standards

Preferred technical and professional experience

- One or more work terms in a machine learning, computer vision or software engineering related role. Experience using machine-learning or data engineering libraries/frameworks. Hands on R&D to develop software demos and prototypes.

OTHER RELEVANT JOB DETAILS

Must have the ability to work in Canada without sponsorship.

This role will involve working with technology that is covered by Export Regulations sanctions. If you are a Foreign National from any of the following US sanctioned countries (Cuba, Iran, North Korea, Syria, and the Crimea, Luhansk, Donetsk, Kherson, and Zaporizhia regions of Ukraine) on a work permit, you are not eligible for employment in this position.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link: https://ibmglobal.avature.net/en_US/careers/JobDetail?jobId=27578

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.