

Hub for Applied Research in Artificial Intelligence for Business Solutions (AIHUB)

Durham College

 Oshawa, ON



ABOUT AIHUB

The Durham College Hub for Applied Research in Artificial Intelligence for Business Solutions (the AI Hub) offers clients access to technical expertise, state-of-the-art facilities and platforms, and student talent, to uncover business insights while providing intelligent and autonomous solutions that increase productivity and growth. From building standalone applications, integrating these solutions into existing platforms, and professionally training your team from the executive to the technical levels, the AI Hub can make a substantial difference in enhancing your organization's performance and fostering growth.

Contact AIHUB

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 **Services offered in:** English

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RESEARCH AND INNOVATION EXPERTISE

EXPERTISE

1. Data Audit & Assessment
2. AI Strategy & Plan
3. Large Language Model (LLM) strategy
4. Data Interoperability
5. Visualization Dashboards
6. Chatbot Development
7. AI/ML Model Building & Optimization
8. AI Model & Accuracy Testing
9. MLOps (ML Operations)
10. Computer Vision
11. Speech Recognition
12. Sentiment Analysis
13. Predictive Analysis
14. Fraud Detection
15. Market Analysis
16. Human Machine Interface
17. Natural Language Processing
18. Generative AI
19. Multi-modal AI
20. Responsible & Ethical AI
21. AI Specialized and Custom Trainings

Previous Research Projects

- Enhancing sales processes and creating revenue growth through AI based sales systems
- Establishing, measuring and improving customer sentiment
- Engagement and market segment performance
- Developing AI-based personalization and customized product and service delivery systems
- Developing natural language products that communicate needs or gather input with domain understanding and possibly prescriptive recommendations for action
- Developing AI-based solutions that utilize highly sensitive data, including medical data, to predict health requirements and make well-being recommendations
- Modelling AI system accountability, operating authorities, and risk management practices
- Leverageing LLM & advanced natural language processing techniques to create conversational agents capable of engaging in meaningful interactions with users

Fields of projects

- Health & Wellness
- ICT
- Education
- Real Estate
- Energy
- Smart Mobility
- Retail Trade
- Finance & Insurance
- Digital Marketing
- Food & Agriculture

