



AI SPECIALIST – DATA ANALYSIS & PREDICTIVE MODELING

Presented by Thornhill Employment Hub on behalf of a local employer seeking to fill this position.

Position Type: Contract, Full-Time

Location: Markham, Ontario

Reports To: Director, Software Development

Department: Software Development

Compensation: To be negotiated

Qualifications (Preferred):

- AI development: 2-3 (required)
 - Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, etc.) or R: 2-3 years(required)
-

Essential Job Functions:

- Collect, clean, and transform large, complex datasets for analysis and modeling.
 - Design, develop, and implement machine learning and AI models for predictive analytics and forecasting.
 - Apply statistical methods, regression techniques, and advanced algorithms to identify trends, correlations, and actionable insights.
 - Develop data pipelines and workflows to automate model training, validation, and deployment.
 - Collaborate with cross-functional teams (e.g., business analysts, developers, domain experts) to translate business needs into AI-driven solutions.
 - Monitor and evaluate model performance, ensuring accuracy, scalability, and reliability.
 - Present findings and predictive insights to stakeholders through dashboards, reports, and visualizations.
 - Stay current with emerging AI/ML tools, technologies, and best practices to continuously enhance organizational capabilities.
-

Technical Skills:

- Strong proficiency in Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, etc.) or R.
 - Experience with data visualization tools (e.g., Power BI, Tableau, matplotlib, seaborn).
 - Knowledge of cloud platforms (Azure, AWS, or GCP) for AI/ML deployment.
 - Familiarity with SQL Databases
 - Strong understanding of statistical modeling, time-series forecasting, and machine learning algorithms
-

Education:

- Bachelor's or Master's degree in Computer Science, Data Science, Applied Mathematics, or related field.
 - 3+ years of hands-on experience in machine learning, predictive modeling, and data analytics
-

What We Offer:

- Opportunity to shape and drive AI initiatives that have direct business impact.
- A collaborative and innovative work environment.
- Professional growth and continuous learning opportunities in the AI/ML field.

For personalized employment support and resources, contact us at 905-707-7332, email us at info@thornhillhub.com, or visit www.thornhillhub.com