

# Bincy Narath

Applied Scientist & ML Engineer  
with 5+ years of experience in  
deploying scalable AI solutions  
across

📍 Toronto, Canada

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🌐 <https://bnarath.github.io/>

🔗 [LinkedIn](#)

## Skills

### Machine Learning

Supervised Learning, Unsupervised Learning

### Deep Learning

PyTorch, TensorFlow, Keras

### Generative AI

LangChain, Hugging Face  
Transformers, prompt engineering,  
SFT, GenOps, APIs, LLM Evaluation,  
RAG, Agents

### Graph Neural Networks (GNNs)

Knowledge Graphs, PyG, Neo4j, Cypher

### Reinforcement Learning

Design, Deep Q Learning

### Cloud Platforms

GCP (Vertex AI, BigQuery, BigTable,  
DataFlow, GKE, GCS), Azure

### Distributed Training & Data Processing

PySpark, scalable data processing,  
Apache Beam, GPU-accelerated  
training

### Containerization & Orchestration

Docker, Containers, apache airflow,  
Kubeflow

### Statistics

A/B testing, hypothesis testing

### Programming Languages & DSA

Python, Data Structures, Algorithms

### Transformers

Low level implementation in PyTorch

## Experience

### Achievers I T

January 2022 - Present

Senior Data Scientist

Toronto, Canada

🌐 <https://www.achievers.com/>

- **Built a scalable newsfeed from scratch for 500+ customers, increasing engagement by 70%**, including cold-start clients. Designed and implemented a custom **MLOps framework** to **manage the end-to-end ML pipeline**, enabling continuous improvement and reliable deployment.
- **Developed a turnover prediction model** using **graph neural networks**, achieving **17% precision and 70% recall**—noteworthy results given the complexity of the problem and limited data availability.
- **Launched Inclusion Coach, a first-gen AI product** powered by a **supervised fine-tuned LLM** to detect, correct, and explain workplace bias in recognition text - **achieving 95% detection accuracy**. Built **production pipelines and GenOps** for seamless deployment.
- **Led various GenAI projects**, including **Writer Assistant, AI moderation of hate speech, sentiment analysis, and HIPAA compliance**, while also contributing to numerous other projects.
- **Built a robust & research-driven LLM evaluation framework** that **accelerated the rollout** of multiple LLM-based projects - doubling development speed.
- Contributed to the **marketplace recommender system**, enhancing personalization and user engagement. Built various **automation frameworks** and **MLOps pipelines**, ensuring faster delivery and enhanced and monitoring of models in production.
- **Owned and maintained production systems**, resolving critical issues promptly to ensure high reliability and minimal downtime.

### BDO Canada

Nov 2020 - Jan 2022

Data Scientist

Ottawa, Canada

🌐 <https://www.bdo.ca/>

Developed and implemented **data-driven solutions**, including **recommendation engines** and **clustering frameworks**, to optimize processes and enhance decision-making across various domains.

### Cisco Systems Pvt. Ltd

Jan 2019 - Feb 2020

Data Scientist

Bangalore, India

🌐 <https://www.cisco.com/>

Developed **predictive models** and **frameworks to detect anomalies, forecast escalations, and recommend sales discounts** - streamlining operations across support and sales teams.

## Education

### IIT Madras, India

Master's Degree

Communication Engineering with a focus Mathematics in

Computer Networks

8.7 CGPA