

Muhammad Memon

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EDUCATION

University of Toronto, St. George

Toronto, ON

Bachelor of Science, Specialist in Statistical Science: Theory and Methods

Expected May 2028

- **Relevant Coursework:** Probability, Mathematical Statistics, Linear Algebra, Multivariable Calculus, Computer Science

EXPERIENCE & LEADERSHIP

Finance & Internal Operations Director

Sep 2026 – Present

University of Toronto Machine Intelligence Student Team (UTMIST)

Toronto, ON

- Manage the operating budget, financial records, and University funding applications for one of U of T's largest AI/ML student organizations (8 departments, 150+ volunteers).
- Oversee internal operations, including procurement, reimbursements, and cross-department task tracking, to keep flagship initiatives such as an AI conference, hackathons, and 10+ ML project teams on schedule.

Associate

Sep 2026 – Present

DeerHacks Hackathon, UTM Mathematics & Computational Sciences Society (MCSS)

Mississauga, ON

- Support the organizing team for DeerHacks, UTM's largest annual hackathon (300+ hackers selected from 600+ applicants over 36 hours), assisting with event logistics, workshops, and sponsor coordination.

Asset Management Intern

Jun 2026 – Aug 2026

NBP Funds (NBP Fund Management Limited)

- Supported the investments team with equity research and portfolio analytics across 8 mutual-fund products managing \$120M in AUM using Bloomberg Terminal and Excel.
- Built Python scripts that automated fund-performance reporting, cutting manual reporting time by ~70% across 5 weekly reports.

Logistics Coordinator

Sep 2025 – Apr 2026

Computer Science Student Council, University of Toronto

Toronto, ON

- Coordinated end-to-end logistics for 12+ technical workshops and community events reaching 400+ students across two terms, delivering event plans and staffing schedules for each.
- Aligned timelines, approvals, and purchasing across 3 teams (Programming, Finance, Marketing), keeping 95% of events on schedule.

Founder

Jun 2024 – Jul 2024

CodeCipher (Coding Education Non-Profit)

Toronto, ON

- Founded a non-profit teaching coding to 100+ high-school students across 4 schools in its first year.
- Designed a 3-tier curriculum spanning beginner to advanced; 90% of 80+ participants reported improved coding skills and confidence.

PROJECTS

Lectra — AI-Powered Lecture Companion | *Python, Gemini API, OCR*

2nd Place, EmberHacks 2025

- Engineered a multimodal AI pipeline (transcription, OCR, Gemini) converting lecture audio and board images into accessibility-formatted notes with ~92% transcription accuracy.
- Shipped an end-to-end prototype in 24 hours; placed 2nd of 30+ teams for solving a real accessibility gap.

Energy Efficiency in Machine Learning | *PyTorch, Quantization, Pruning*

2025 – Present

- Benchmarked compute and energy trade-offs across 6 model architectures as a research contributor, identifying configurations that cut training energy by ~30%.
- Profiled PyTorch training runs and applied quantization and pruning, reducing inference cost by ~40% with under 2% accuracy loss.

TECHNICAL SKILLS

Languages: Python, R, C++, Java, JavaScript, SQL, HTML/CSS

Machine Learning & AI: PyTorch, Transformers & LLMs, Retrieval-Augmented Generation (RAG), OCR pipelines

Tools & Cloud: Docker, AWS, Google Cloud, Git, Bloomberg Terminal

Interests: Chess, Badminton, Weightlifting, Video Games