

Anas Mohamed

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EDUCATION

University of Minnesota, Twin Cities

M.S. Computer Science (Integrated Program)

Minneapolis, MN

Expected May 2026

- Integrated B.S./M.S. Program

- Advisor: [Ali Anwar](#)

B.S. Computer Science

Sep. 2022 - Dec. 2024

- GPA: 3.9

RESEARCH EXPERIENCE

Research Assistant

Oct. 2024 – Present

Distributed Machine Learning and Systems Lab (DMLSys)

Minneapolis, MN

- Developed preference optimization approach for semantic alignment in automated text optimization
- Built and evaluated agent-based framework for automated cloud configuration and deployment

PUBLICATIONS

Anas Mohamed, Azal Ahmad Khan, Xinran Wang, Ahmad Faraz Khan, Shuwen Ge, Saman Bahzad Khan, Ayaan Ahmad, Ali Anwar. “[Sem-DPO: Mitigating Semantic Inconsistency in Preference Optimization for Prompt Engineering](#)”. *arXiv Preprint*, 2025. Under Review at ARR (NAACL),

Ahmad Faraz Khan, Azal Ahmad Khan, **Anas Mohamed**, Haider Ali, Suchithra Moolinti, Sabaat Haroon, Usman Tahir, Mattia Fazzini, Ali R. Butt, Ali Anwar. “[LADs: Leveraging LLMs for AI-Driven DevOps](#)”. *arXiv Preprint*, 2025. Under Review at ICSE.

TEACHING EXPERIENCE

Teaching Assistant

Jan. 2024 – May 2025

Department of Computer Science and Engineering

Minneapolis, MN

- Served as a TA for courses on programming principles, data structures & algorithms, and recommender systems.
- Lead weekly lab sessions, held regular office hours, completed grading responsibilities, and participated in assignment design.

PROFESSIONAL EXPERIENCE

Cofounder

June 2025 – Present

LADs

Minneapolis, MN

- Commercializing LLM-driven DevOps automation research from academic work

Software Engineer Intern

May 2025– Present

IDeAS

Bloomington, MN

- Designed and built workflows to automate manual tasks, optimized system costs, and upgraded deployment architecture across services

HONORS AND AWARDS

Graduated with High Distinction, B.S. Computer Science, Dec. 2024

Presidential Scholarship, University of Minnesota, 2022-2024

Dean's List, University of Minnesota

TECHNICAL SKILLS

Programming: Python, C++, C, Java, JavaScript

ML/Systems: PyTorch, TensorFlow, Ray, Agno, Langchain

Cloud & Infrastructure: AWS, Docker, Kubernetes, Terraform