Chahana Dahal

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Education

Westminster University *B.S. in Computer Science, Minor in Data Science* *2021 – 2024 |GPA: 3.97*
University of Nevada, Las Vegas *PhD in Computer Science* *Sept. 2025 – May 2029*

- Skills: Python, C, C++, Java, PyTorch, Scikit-learn, SQL, Matplotlib, Numpy, Pandas, Git
- Interests: Large Language Models, Knowledge Graphs, AI Saftey, Responsible AI, Natural Language Processing

Research Publications

Is Architectural Complexity Overrated? Competitive and Interpretable Knowledge Graph Completion with RelatE, **ICLR 2026** (Under Review)[Paper]

Federated Retrieval-Augmented Generation: A Systematic Mapping Study [Paper], **EMNLP 2025** (Findings)

HyFical: Hierarchical Hybrid Federated In-Context Agent Learning for LLMs, **ICLR 2026** (Under Review)

Revolutionizing Education through AI-Powered Inclusive Learning Systems, **AAAI 2024** (Undergraduate Consortium) [Paper]

AI Agents for Learning: A Survey with Safety and Privacy **IEEE TAI** (Under Review)

Work Experience

Graduate Student Researcher *Las Vegas*
UNLV *Sept. 2025 – Present*

- Designing a novel benchmark to evaluate LLM unlearning on knowledge graph facts

Machine Learning Researcher *Remote*
CoRAL Lab, ASU *Nov. 2024 – Present*

- Conducted evaluation and robustness analysis for RelatE, demonstrating **24%** faster training, **31%** lower inference latency, and up to **61%** reduced performance degradation under perturbations on benchmarks such as YAGO3-10
- Demonstrated that architectural simplicity, paired with advanced training achieves competitive performance that outperformed state-of-the-art methods like RotatE and TransE in accuracy, efficiency, and robustness

Machine Learning Engineer *Remote*
Omdena *July 2024 – April 2024*

- Fine-tuned multilingual LLMs (mT5, AraGPT2) for Q&A agents and personalized tutoring systems, applying prompt engineering for content understanding and matching
- Built a feedback-driven fine-tuning loop using user interaction data to improve recommendation personalization and response precision

Honors & Affiliations

Honors: AAAI Undergraduate Scholar 2024, Google CS Research Mentorship Program Scholar 2023, First Generation (Legacy) Scholar, Dean's List (2021–2024)
Affiliations: Rewriting the Code, Women in Machine Learning, AnitaB.org, Last Mile
Certifications: AI with Python (Udacity), AI Agents (Coursera)