

Anup Shakya

A 4th year PhD student actively looking for industry-level research opportunities.

CONTACT

3708 Kearney Ave
Memphis, TN
38111

E-mail: anupshakya07@gmail.com
Phone: +1 (901)-450-9675
Google Scholar: [2Xne72EAAAAJ](https://scholar.google.com/citations?user=2Xne72EAAAAJ)
LinkedIn: [anupshakya07](https://www.linkedin.com/in/anupshakya07)

WORK EXPERIENCE

University of Memphis

Jan 2020 — Present

Graduate Research Assistant

- Working in UofM Machine Learning Research Lab
- Gained research experience working on several research projects. Carrying out various experiments with state-of-the-art ML models, scrutinizing the results and producing research works publishable in top-tier scientific journals.

Deerwalk Services

Dec 2015 — Jan 2020

Software Engineer Lead

- Gained substantial professional experience in software development along with critical skills like time management, critical thinking, leadership, and effective communication.
- Worked extensively in development of Health Care web applications, leading different projects like Real Time Integration, Incentive Manager and Provider portal which dealt with real time data flow between different in-house web applications.

TECHNICAL SKILLS

- Programming Languages like: Java, Groovy, JavaScript, Python
- ML Frameworks like: PyTorch and TensorFlow
- Grails and Spring Framework, Hibernate, MySQL, Elastic Search
- Amazon Web Services like: Lambda, S3 and Redshift

EDUCATION

Computer Science (Ph.D.)

2020 — Present

University of Memphis

Currently in 4th year with GPA: **3.99**
Graduating in August 2024

Computer Science (Master's)

2020 — 2022

University of Memphis

GPA: **3.98**

RESEARCH INTERESTS

Neuro-Symbolic AI, Machine Learning, Intelligent Tutoring Systems and Natural Language Processing

PUBLICATIONS

- Anup Shakya, Vasile Rus and Deepak Venugopal, **Student Strategy Prediction using a Neuro-Symbolic Approach**, Proceedings of the 14th International Educational Data Mining Conference (EDM 21), 2021 (<https://github.com/anupshakya07/SSPM>).
- Anup Shakya, Vasile Rus and Deepak Venugopal, **Scalable and Equitable Math Problem Solving Strategy Prediction in Big Educational Data**, Proceedings of the 16th International Conference on Educational Data Mining (EDM 2023), 2023 (<https://github.com/anupshakya07/attn-scaling>).
- Anup Shakya, Abisha Thapa Magar, Somdeb Sarkhel and Deepak Venugopal, **On the Verification of Embeddings using Hybrid Markov Logic**, Proceedings of the 23rd IEEE International Conference on Data Mining (ICDM 2023), 2023 (accepted as main-track conference paper).
- Anup Shakya, Vasile Rus, Stephen Fancsali, Steve Ritter and Deepak Venugopal, **NeTra: A Neuro-Symbolic System to Discover Strategies in Math Learning**, Proceedings of the 3rd Learner Data Institute Workshop in conjunction with EDM, 2022.
- Anup Shakya, **Towards the robustness of Transformer Models on Image Data**, <http://dx.doi.org/10.13140/RG.2.2.23552.10242>, 2022.

ACHIEVEMENTS

- Flipkarma Awards 2014** for the best project in Computer Graphics for the project **3D Modeling of Taj Mahal**
- 2nd Position in Hardware Competition** (Theme Based) in **LOCUS 2014** for the project **Voice Controlled Home Automation System**
- Peter I Neathery Fellowship 2021**