

Anup Shakya

ML Research | PhD Candidate

Location: Memphis, Tennessee

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SUMMARY

- Research and development experience with proficiency in Python, Java, statistical modeling, and Machine Learning libraries evidenced by the completion of **3 research projects** on **Educational Data Mining** and **Neural Network Verification** funded by **NSF**
- Able to design and conduct experiments, process data, analyze/evaluate results, and build deep learning models and pipelines demonstrated by **6 peer-reviewed publications** in venues like **AAAI**, **IEEE ICDM** and **EDM**
- Strong communication and collaboration skills with strong interest in Generative AI and Large Language Models (LLM) resulting in **6 conference presentations** and **3 collaborations** including a collaboration with **Adobe Research**

EDUCATION

Ph.D., Computer Science | *The University of Memphis* | (GPA 3.99)

Jan 2020 – Dec 2024

M.S., Computer Science | *The University of Memphis* | (GPA 3.98)

Jan 2020 – Aug 2022

WORK EXPERIENCE

Graduate Research Assistant | *The University of Memphis*

Jan 2020 - Present

- Developed the ability to effectively contribute in a collaborative team-oriented environment leading to **3 research collaborations**
- Secured 2 fundings including one from the **Bill & Melinda Gates Foundation**
- Exhibited ability to investigate, evaluate, and progress solutions with an ability to write scientific articles as evidenced by **6 peer-reviewed publications**

Software Engineer Lead | *Deerwalk Services*

Dec 2015 – Jan 2020

- Highlighted ability to maintain high coding standards with expertise in building web applications leading to the development of **4 in-house web application** products
- Led software development and enhanced the agile development process resulting in **25% improvement** in efficiency evidenced by lead development role in **2 web application projects**

RESEARCH PUBLICATIONS

- <https://scholar.google.com/citations?user=2Xne72EAAAAJ>

SKILLS LIST

Python, Transformers, TensorFlow, PyTorch, MySQL, Java, Learning-Science, Large Language Models, ElasticSearch, Data Science, scikit-learn, JavaScript, Computer Vision, AWS, Google Cloud, Reinforcement Learning, Supervised-Learning, Statistical Analysis, Pandas, Hypothesis Testing

HONORS AND AWARDS

- 2nd position in 18th Annual CS Research Symposium 2023 at the University of Memphis
- Peter I Neathery Fellowship 2021

AFFILIATIONS AND HOBBIES

- Active Member of Nepali Student Association at University of Memphis
- Senior Member of the University of Memphis Machine Learning and AI Research Lab
- Soccer
- Listening to Music and Playing Guitar