

Badri ADHIKARI

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🌐 <https://badriadhikari.github.io/>

Employment:

2023 – present Associate Professor, University of Missouri-St. Louis, USA
2017 – 2023 Assistant Professor, University of Missouri-St. Louis, USA
2009 – 2011 Software Engineer, VeriskHealth Analytics Inc., Nepal

Education:

2012 - 2017 PhD, Computer Science, University of Missouri-Columbia, MO
2004 - 2009 Bachelors of Engineering, Computer Engineering, Tribhuvan University, Nepal

Research interests: Interpretable deep learning, educational technology, and health informatics.

Select courses taught:

- Interpretable Machine Learning (2024 - present)
- Principles of Data Visualization (2022 - present)
- Deep Learning (2018 - present)

Select grants:

- 2020, \$163,535, National Science Foundation, “CISE CRII: Deep Learning Methods for Protein Inter-residue Distance Prediction”, Role: PI
- 2020, \$256,496, National Aeronautics and Space Administration, “STTR Phase 1: Autonomous Environmental Monitoring and Management Platform for Remote Habitats”, Role: Co-PI

Select awards:

- 2024, “Outstanding Teaching Award,” CS Department, University of Missouri-St. Louis.
- 2022, “Outstanding Research Award,” CS Department, University of Missouri-St. Louis.

Select publications (full list at [Google scholar](#)):

- [1] Badri Adhikari. “Thinking Beyond Chatbots’ Threat to Education: Visualizations to Elucidate the Writing or Coding Process”. In: *Education Sciences* 13.9 (2023).
- [2] Badri Adhikari. “A fully open-source framework for deep learning protein real-valued distances”. In: *Nature Scientific Reports* 10.1 (2020), pp. 2045–2322.
- [3] Badri Adhikari, Jie Hou, and Jianlin Cheng. “DNCON2: improved protein contact prediction using two-level deep convolutional neural networks”. In: *Bioinformatics* 34.9 (2018), pp. 1466–1472.
- [4] Badri Adhikari et al. “CONFOLD: residue-residue contact-guided ab initio protein folding”. In: *Proteins: Structure, Function, and Bioinformatics* 83.8 (2015), pp. 1436–1449.

Last updated: May 20, 2024