

# Dharani Nadendla

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## RESEARCH INTERESTS

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Consistency in multi-agent large language model (LLM) systems: formally defining consistency across interacting agents, identifying root causes of inconsistency, and developing metrics and benchmarks. Broader interests: knowledge-infused learning.

## EDUCATION

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| <b>University of Maryland, Baltimore County</b><br><i>Ph.D. in Computer Science</i> | August 2026 - present<br>Baltimore, MD, USA      |
| <b>University of Maryland, Baltimore County</b><br><i>M.P.S. in Data Science</i>    | January 2025 - August 2026<br>Baltimore, MD, USA |
| <b>Vellore Institute of Technology</b><br><i>B.Tech in Computer Science</i>         | July 2020 - May 2024<br>Andhra Pradesh, India    |

## EMPLOYMENT

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| <b>Graduate Teaching Assistant</b><br><i>University of Maryland, Baltimore County</i> | August 2026 - present<br>Baltimore, MD, USA       |
| <b>Student Affairs Senator</b><br><i>Graduate Student Association, UMBC</i>           | July 2026 - present<br>Baltimore, MD, USA         |
| <b>Graduate Research Assistant</b><br><i>University of Maryland, Baltimore County</i> | January 2026 - August 2026<br>Baltimore, MD, USA  |
| <b>Mathematics Tutor</b><br><i>University of Maryland, Baltimore County</i>           | August 2025 - December 2025<br>Baltimore, MD, USA |

## PUBLICATIONS

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- [1] Renzhi Hao, Shirui Cao, Yizhu Wen, Rishav Gupta, **Dharani Nadendla**, Mehran Kafai, Hanqing Guo, and Dong Li. “Ultrasound Watermark: Real-Time Acoustic Watermarking against Voice Scams on Smartphones.” *ACM MobiCom 2027*. (Under review)
- [2] Yizhu Wen\*, **Dharani Nadendla\***, Shirui Cao, Renzhi Hao, Dong Li, and Hanqing Guo. “EchoGuard: Continuous Ultrasound-Based Human Presence Verification for AI Agent Detections.” *In Proceedings of the 9th ACM/IEEE Workshop on Security and Privacy in Edge Computing (EdgeSP 2026)*, co-located with ACM/IEEE SEC 2026, October 2026. (Accepted)
- [3] Renzhi Hao, Shirui Cao, Yizhu Wen, Rishav Gupta, **Dharani Nadendla**, Mehran Kafai, Hanqing Guo, and Dong Li. “Ultrasound Watermark: Real-Time Acoustic Watermarking against Voice Scams

on Smartphones.” *In Proceedings of the 9th ACM/IEEE Workshop on Security and Privacy in Edge Computing (EdgeSP 2026)*, co-located with ACM/IEEE SEC 2026, October 2026. (Accepted)

- [4] Bojing Li, Duo Zhong, **Dharani Nadendla**, Gabriel Terceros, Prajna Bhandary, Raguvir S, and Charles Nicholas. “MASCOT: Analyzing Malware Evolution Through a Well-Curated Source Code Dataset.” *arXiv preprint arXiv:2512.00741*, November 2025.

\*Equal contribution.

## AWARDS

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**COEIT Best Poster Award**  
*UMBC Annual Research Symposium*

April 2026  
Baltimore, MD, USA

## SERVICE

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**Student Volunteer**  
*ACM/IEEE Symposium on Edge Computing*

December 2025  
Washington, D.C., USA

## SKILLS

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**Programming:** Python, MATLAB, Kotlin, Java, linux, Haskell, latex

**Methods:** machine learning, signal processing, wireless and acoustic sensing, malware analysis, Adversarial methods

**Tools:** Android studio, Audition