Arya Honraopatil

Ph.D. student, Computer Science

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Research Interests

Interactive Narrative, Tabletop Roleplaying Agents, Human-Centered Artificial Intelligence, Speech Technologies, Affective Computing

Education

Doctor of Philosophy, Computer Science
University of Maryland Baltimore County, MD   Aug. 2024 – Present
GPA: 3.7/4
Advisor: Dr. Lara J. Martin

Master of Science, Computer Science
University of Maryland Baltimore County, MD   Aug. 2022 – May 2024
GPA: 3.7/4
Advisor: Dr. Rebecca Williams

Bachelor of Engineering, Computer Engineering
University of Pune, India   Aug. 2017 – May 2021
CGPA: 8.8/10

Peer Reviewed Publications

P. Delafuente, A. Honraopatil, and L. J. Martin. "Does Reasoning Help LLM Agents Play Dungeons and Dragons? A Prompt Engineering Experiment". In: EMNLP 2025 Fifth Wordplay: When Language Meets Games Workshop. Suzhou, China, Nov. 2025. arxiv: 2510.18112

A. Honraopatil, S.Vallurupalli, and L. J. Martin. "Shaping Perception of Emotional Storytelling with Synthesized Speech" Accepted for presentation at the Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL 2025), Pennsylvania State University, 2025.

Internships and Work Experience

Graduate Research Assistant   Baltimore, MD
University of Maryland, Baltimore County   Jan. 2025 – Present

Graduate Teaching Assistant   Baltimore, MD
University of Maryland, Baltimore County   Aug. 2024 – Dec. 2024

Software Development Engineer   Pune, India
Principal Global Services   Jul. 2021 – Jul. 2022

Research & Development Intern   Pune, India
PTC   Sep. 2020 – Jun. 2021

Mathematics Faculty Intern   Pune, India
Spectrum Education   Jul. 2018 – Feb. 2020

Academic Service

Volunteer..

5th Wordplay: When Language Meets Games Workshop at EMNLP 2025

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AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE) 2025

International Natural Language Generation Conference (INLG) 2025

Intelligent Narrative Technologies (INT) workshop at AIIDE 2025

Intelligent Narrative Technologies (INT) workshop at AIIDE 2024

Secondary Reviewer...

ACL ARR March 2025

International Natural Language Generation Conference (INLG) 2024

Awards

1: Best Poster Award, CSEE Research Day 2025, University of Maryland, Baltimore County

2: Earth Award, Bhumi (Non-profit), Pune for exceptional work as a Project Lead for Robotics Team for AY 2021-22

3: Best Outgoing Student of the School, for AY 2014-15

4: Best Speaker prize among 30 participants at Inter School Debate competition organized by Rotary Club, Pune

Service and Leadership

1: Chair, Graduate Experience, Achievements & Research Successes (GEARS) committee, Graduate Student Association, University of Maryland, Baltimore County for AY 2025-26

2: Member, Equity of Funds committee, Graduate Student Association, University of Maryland, Baltimore County for AY 2024-25

3: Student Affairs Senator, Graduate Student Association, University of Maryland, Baltimore County for AY 2023-24

4: Graduate Student Representative, IT Steering Committee, University of Maryland, Baltimore County for AY 2023-24

5: Historian, Graduate Experience, Achievements & Research Successes (GEARS) committee, Graduate Student Association, University of Maryland, Baltimore County for AY 2023-24

6: Project Lead, Robotics Team, Bhumi (Non-profit), Pune for AY 2021-22

7: Technical Head, Department of Computer Engineering, Sinhgad Academy of Engineering, Pune for AY 2020-21

8: Co-Chief Editor of the School Magazine from 2013-2015