

Tania Mishra

tania.r.mishra@gmail.com · [LinkedIn \(/taniamishra127/\)](https://www.linkedin.com/in/taniamishra127/) · [Personal Website \(taniamishra.github.io/\)](https://taniamishra.github.io/)

EDUCATION

PhD in Information

August 2026 - Present

University of Michigan - School of Information (*Ann Arbor, MI*)

Honors Bachelor of Science in Computer Science and Cognitive Science

May 2026

Marquette University (*Milwaukee, WI*)

Minors: **Gender and Sexuality Studies, Dance**

Certificate: **Innovation Leadership (E-LEAD)**

Sogang International Summer Program

Summer 2024

Sogang University (*Seoul, South Korea*)

RESEARCH EXPERIENCE

Center for Data, Ethics, and Society, Marquette University (*Milwaukee, WI*)

Fall 2023 - Spring 2026

Exploring FemTech Developers' View of Sensitive Health Data

Spring 2026

- Understood how FemTech app developers view the data their apps collect, how they protect, store, and use collected data, and the impact (if any) of the *Dobbs v. Jackson* decision
- Conducted interviews with FemTech app developers

Developing Educational Resources for the Ethical Use of Pervasive Data

Spring 2025 - Fall 2025

- Explored how computing-related publications encourage scholars to consider the ethical implications of their research and what provisions are in place to ensure compliance with ethical standards
- Preprocessed and analyzed data by writing Python scripts
- Will help inform next steps in the larger project "Developing Educational Resources for the Ethical Use of Pervasive Data"
 - PIs: Dr. Michael Zimmer (Marquette University), Dr. Casey Fiesler (University of Colorado Boulder), Dr. Jessica Vitak (University of Maryland)
 - Funding: National Science Foundation (NSF) - Ethical and Responsible Research (ER2)

An Exploration of Generative Artificial Intelligence's Linguistic Capabilities:

Spring 2024 - Fall 2024

A Case Study in African American English (AAE)

- Examined Generative AI models' cultural and linguistic competence by measuring their ability to use AAE
- Analyzed text similarity, vocabulary frequency, and appearance of AAE features with Python scripts
- Faculty Advisor: Dr. Michael Zimmer (Marquette University)
- Funding: Marquette University's 2024 Honors Research Fellowship
- Findings presented at:
 - Marquette University's Honors Research Fair
 - Marquette University's Arts and Sciences Research Fair
 - The Northwestern Mutual Data Science Institute AI Ethics Symposium

Unveiling User Perspectives:

Fall 2023 - Spring 2024

Exploring Themes in Femtech Mobile App Reviews for Enhanced Usability and Privacy

- Investigated the effect of the *Dobbs v. Jackson* decision on data privacy in FemTech apps, focusing on user perspectives through app reviews
- Wrote Python scripts to scrape reviews using the SerpAPI and perform sentiment analysis using a machine-learning model from Hugging Face
- Conducted topic modeling using WordStat

PEER-REVIEWED PUBLICATIONS

- Zimmer, M., **Mishra, T.**, & Abrahamson, R. (2026). Infrastructure of ethics: How publication workflows shape ethical expectations in computational research. *ACM Journal on Responsible Computing*, 3(3), Article 12. <https://doi.org/10.1145/3821572>
- Nellore, N., **Mishra, T.**, & Zimmer, M. (2024). Unveiling user perspectives: Exploring themes in femtech mobile app reviews for enhanced usability and privacy. *Proceedings of the ACM on Human-Computer Interaction*, 8(MHCI), Article 283. <https://doi.org/10.1145/3676530>

TEACHING ASSISTANT EXPERIENCE

Computer Science Department, Marquette University (*Milwaukee, WI*)

Intro to Software Development

Fall 2025

- Taught a weekly 2-hour lab section of 22 students and graded lab assignments
- Helped all Computer Science students with any course material by staffing the CS Help Desk once a week

Operating Systems

Spring 2025

- Led a weekly 2-hour lab section of 11 students
- Guided students through projects, practice problems, and course material in weekly office hours
- Proctored and graded lab practical exams and written midterm exams

OTHER EXPERIENCE

Career Education Intern, Marquette University (*Milwaukee, WI*)

Fall 2025 - Spring 2026

- Reviewed and provided feedback on professional documents (resumes, CVs, and cover letters) and profiles (LinkedIn and Handshake) for Marquette students and alumni
- Conducted 50+ drop-in appointments and reviewed 115+ documents via email and Handshake
- Encouraged students to utilize the Career Center as a resource by tabling at university events
- Led workshops on building professional documents for student organizations

Kingler Arts and Sciences Student Ambassador, Marquette University (*Milwaukee, WI*)

Spring 2025 - Spring 2026

- Engaged with prospective students through individualized tours of the Computer Science department and college-wide admissions events

Educational Opportunity Program Peer Tutor, Marquette University (*Milwaukee, WI*)

Spring 2023, Fall 2024

- Tutored students one-on-one for Intro to Software Development
- Simplified complex concepts, created practice problems, and answered questions on class assignments

College Tech Intern, Northwestern Mutual (*Milwaukee, WI*)

Summer 2023

- Contributed to the front-end development of a field-facing Illustrations website
- Streamlined the deployment process by designing and developing a prototype React app to track version and SHA history for NGIS developers

Honors Peer Mentor, Marquette University (*Milwaukee, WI*)

Fall 2023

- Mentored 5 first-year honors students in a group setting
- Facilitated weekly discussions, goal-setting, and bonding social activities
- Provided general academic advising

COMMUNITY INVOLVEMENT

President and Founder, Divas in Technology, Inc. (*WI*)

Spring 2020 - Summer 2026

- Promoted, empowered, and mentored underrepresented youth to help them succeed in the tech field
- Designed curriculum and executed foundational coding programs
- Led board meetings, supported board members, and coordinated with partner universities and organizations

General Member, National Center for Women in Information Technology (NCWIT) (*WI*)

Fall 2022 - Summer 2026

- Reviewed and scored applications for the Aspirations in Computing award
- Participated in organization events

STUDENT ORGANIZATION INVOLVEMENT

RaDiANCE, Marquette University (*Milwaukee, WI*)

Executive Board Member

Fall 2023 - Spring 2026

- Coordinated 1-2 dances per semester, taught 10-25 students, and designed lighting cues
- Ideated, planned, and executed the first RaDiANCE showcase (Spring 2026)
- Organized social events for members

General Member

Fall 2022 - Spring 2026

- Participated in 1-4 performances per semester
- Attended community K-Pop events with other organization members

Indian Student Association, Marquette University (*Milwaukee, WI*)

Choreographer

Spring 2023 - Spring 2026

- Choreographed 1-3 dances for the annual showcase, taught ~10 students, created the music mix, designed lighting cues, and organized costumes

General Member

Fall 2022 - Spring 2026

- Participated in organization events as a member and performer

Dance Inc., Marquette University (*Milwaukee, WI*)

Choreographer

Fall 2024

- Choreographed 1 dance, taught ~10 students, and designed lighting cues

General Member

Fall 2023 - Fall 2024

- Participated in 1-2 dances and organization events each semester

INVITED TALKS AND PANEL DISCUSSIONS

Kingler Arts and Sciences Student Experiences Panel , Marquette University (<i>Milwaukee, WI</i>)	2026
Women Tech Trailblazers: A Night of Lightning Talks & Leadership , Women in Tech (<i>Milwaukee, WI</i>)	2025
Undergraduate STEM Research Panel , PERSIST Class, Marquette University (<i>Milwaukee, WI</i>)	2025
IT Perspective Panel , Aspirations in Computing Award Ceremony, NCWIT-WI (<i>Milwaukee, WI</i>)	2025
The Next Generation of Tech: A Student's Perspective , CSforAll Summit (<i>Milwaukee, WI</i>)	2024
IT Perspective Panel , Aspirations in Computing Award Ceremony, NCWIT-WI (<i>Milwaukee, WI</i>)	2024
For Girls By Girls , Podcast Series, BootUp (<i>Virtual</i>)	2022
STEM Student Panel , sySTEMnow Conference, STEM Forward (<i>Milwaukee, WI</i>)	2021
Technology Through a Generational Lens , Revel in Tech, Northwestern Mutual (<i>Virtual</i>)	2021

AWARDS AND HONORS

Dean's List , Marquette University	(Consecutive Semesters) Fall 2022 - Spring 2026
Alan Turing Award (Interdisciplinary Cognitive Science), Marquette University	Spring 2026
Nomination, Phi Beta Kappa , Marquette University	Spring 2026
Honors Research Fellowship , Marquette University	Spring 2024
Member Induction, Upsilon Pi Epsilon , Marquette University	Spring 2024
National Winner, Aspirations in Computing Award , NCWIT	Spring 2021
WI Affiliate Winner, Aspirations in Computing Award , NCWIT	(Consecutive Years) Spring 2019 - Spring 2021