

Data Analysis, Natural Language Processing (NLP), Large Language Models (LLMs), Machine Learning

## Education

2021-present	<b>Ph.D. in Computer Science</b> Advisor: <a href="#">Dr. Rishab Nithyanand</a> , University of Iowa	<b>Relevant Courses</b> Advanced Programming, Software Engineering, Databases, Data Structures, Algorithms
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## Professional Experience

2021-present	<b>Research Assistant   SPARTA</b> at University of Iowa Human-platform Interaction • Platform Auditing
2022-present	<b>Research Affiliate   CP3</b> at University of Iowa Ideology Formation • Radicalization
2024-present	<b>Research Assistant   Speech Sign and Systems Lab</b> at University of Iowa Speech Processing • Linguistic Analysis

## Projects

ICWSM 2024	<b>YouTube Audit Methodologies</b> How Audit Methods Impact Our Understanding of YouTube's Recommendation System? <a href="#">Sarmad Chandio</a> , Daniyal Dar, Rishab Nithyanand
ICWSM 2026	<b>YouTube Production and Consumption Dynamics</b> Role of YouTube Production and Consumption Dynamics on the Formation of Extreme Ideologies <a href="#">Sarmad Chandio</a> , Rishab Nithyanand
ICWSM 2026 <b>Best Paper</b>	<b>Flattening Fantasies</b> Analyzing Stereotypes in Pornographic Discourse <a href="#">Sarmad Chandio</a> *, Osama Khalid*, Sharaf Zia, Ethan Kutlu
ICWSM 2026	<b>Systematic Detection of Data Voids</b> Measuring the Semantic Structure and Evolution of Conspiracy Theories Manisha Keim, <a href="#">Sarmad Chandio</a> , Osama Khalid, Rishab Nithyanand
Behavior Research Methods (R & R)	<b>Phonetic Analysis</b> Toolkit for Acoustic-Phonetic Analysis of Naturalistic Speech Data Ethan Kutlu, Emerson Peters, <a href="#">Sarmad Chandio</a> , Osama Khalid
The Journal of the Acoustical Society of America (R & R)	<b>Whisper Accent Adaptation</b> Evaluating Cross-Accent Generalization in Automatic Speech Recognition Ethan Kutlu, Leo Moore, <a href="#">Sarmad Chandio</a> , Osama Khalid

## Talks & Honors

Spring 2026	Received Graduate College Post-Comprehensive Research Fellowship
Summer 2025	Presented a poster at Acoustical Society of America in New Orleans
Summer 2024	Presented a project at Summer Institute in Computational Social Science in UPenn
Spring 2023, 2024, 2025	Conducted an interdisciplinary workshop on the data analysis of subreddits to study online discourse in US media at WashU