

Sarmad Chandio

SPARTA Lab @ University of Iowa
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Internet Measurements, Auditing Recommendation Systems, Machine Learning, Data Analysis, Natural Language Processing (NLP)

Education

- 2021–present **Ph.D. in Computer Science**
Advisor: [Dr. Rishab Nithyanand](#), University of Iowa
- 2017–2021 **B.S. in Computer Science**
Lahore University of Management Science (LUMS), Pakistan
Dean's Honor List

Professional Experience

- 2021–present **Research Assistant**
[SPARTA](#) at University of Iowa
Studying platform governance and online manipulation of information.
- 2023 **Guest Lecturer**
Washington University in St. Louis (WUSTL)
Conducted a graduate level interdisciplinary workshop on the data analysis of subreddits to study online discourse in US media.
- 2020–2021 **Research Assistant**
[ISPL](#) at Lahore University of Management Science (LUMS), Pakistan
Studied the leakage of personally identifiable information in children apps from Google Play Store.

Projects

Role of Recommendation Systems on Radicalization

How does the YouTube recommendation system play a role in radicalizing users? Using graph analysis techniques and markov models to study watch patterns of users that lead to radicalization.

Systematic Detection of Data Voids

Studying the gaps in the indexing of information online which lead users to misinformation. Using the NLP techniques, we are trying to uncover patterns which lead to formation and exploitation of data voids.

Quantitative Analysis of Volunteer and Paid Moderation

Studying the effects of monetary incentives on Reddit volunteer moderators. Using moderator logs to infer the motivation levels of moderators.

Publications

- ICWSM 2024 **Youtube Audit Methodologies**
How Audit Methodologies Impact Our Understanding of YouTube's Recommendation Systems?
[Sarmad Chandio](#), Daniyal Dar, Rishab Nithyanand

Skills

- Languages **Python, Java, Javascript, C++, MYSQL**
- Platform & Tools **Selenium, Streamlit, Pandas, PyTorch, TensorFlow**

