

Hussam Habib

(319) 930-9438 • hussam-habib@uiowa.edu

EDUCATION

The University of Iowa, Iowa City, IA

2019 - Anticipated 2024

PhD. Computer Science

National University of Computer and Emerging Sciences, Lahore, Pakistan

2014 - 2018

BSc, Computer Science

RESEARCH

- **To Act or React — Investigating Proactive Strategies For Online Community Moderation.**

We observe and model online community evolution/devolution on Reddit, impact of community participation on user behavior and effectiveness of community moderation.

- **Radicalization and Interventions** — Tracking online vulnerable users for radicalization and monitoring the triggering events. Exploring the events to suggest mitigation and intervention techniques.

- **Narrative Flow — Narrative Provenance Tool**

Isolating narratives and frames in news media and online forums and tracking the flow of information from underground forums to mainstream media.

- **Provenance Malware Detection** — Detecting malicious activity using provenance graphs. We summarize provenance graphs created using SPADE and use template matching for malware detection

WORK EXPERIENCE

OMNO AI, Lahore, Pakistan

2018 - Present

Co-founder, CTO

- **Adlytic** — Computer vision to detect foot traffic demographic and attributes to provide relevant OOH advertisements and impression analytics.

- **Football Analytica** — Real time soccer analytics and stats generation from live camera stream using computer vision techniques.

- **Trafflytic** — Tracking traffic using low quality cameras and generating real time analytics including counts, congestion, and traffic speeds.

SPARTA Lab at UIowa, Iowa City, IA

2019 - Present

Researcher

TPI Lab at LUMS, Lahore, Pakistan

2018 - 2019

Researcher

INTERESTS

- Machine Learning
- Algorithmic Bias
- Computer Vision
- Data Science
- Privacy
- Natural Language Processing